

5339

<400> 6111

Met Val Leu Arg Lys Tyr Phe Leu Trp Lys Ile Gly Arg Lys Tyr Phe
 1 5 10 15

Asn Leu Asn Ile Lys Lys Ile Gly Asn Cys Tyr Phe Gln Gln Gln Ser
 20 25 30

Pro Xaa

<210> 6112

<211> 87

<212> PRT

<213> Homo sapiens

<400> 6112

Gly Ser Pro Gly Ala His Glu Pro Cys Gln Ala Pro Ala Gly Ser Ser
 1 5 10 15

Arg His Val Pro Asp Leu Trp Gly Pro Arg Glu Gly Thr Phe Pro Ser
 20 25 30

Trp Glu Arg Arg Arg Ser Gly Gln Leu Gly Glu Gly Cys Glu His Phe
 35 40 45

Pro Pro Gly Arg Asp Gln Gly Asp Leu His Ala Leu Arg Arg Ala Trp
 50 55 60

Lys Gly Ser Glu Lys Pro Ala Asp Arg Pro Cys Pro Ser Ser Arg Asp
 65 70 75 80

His Leu Met Asn His Val Phe
 85

<210> 6113

<211> 253

<212> PRT

<213> Homo sapiens

<400> 6113

Gln Asn Leu Pro Leu Thr Arg Arg Arg Pro Thr Gly Ser Cys Val Cys
 1 5 10 15

Leu Gly Arg Gly Gly Pro Gly Gly Gly Gly Leu Arg Ala Gly Ser Arg
 20 25 30

His Pro Ala Pro Ala Ala Met His Pro Arg Arg Pro Asp Gly Phe Asp

5340

35					40					45								
Gly	Leu	Gly	Tyr	Arg	Gly	Gly	Ala	Arg	Asp	Glu	Gln	Gly	Phe	Gly	Gly			
50					55					60								
Ala	Phe	Pro	Ala	Arg	Ser	Phe	Ser	Thr	Gly	Ser	Asp	Leu	Gly	His	Trp			
65					70					75					80			
Val	Thr	Thr	Pro	Pro	Asp	Ile	Pro	Gly	Ser	Arg	Asn	Leu	His	Trp	Gly			
					85					90					95			
Glu	Lys	Ser	Pro	Pro	Tyr	Gly	Val	Pro	Thr	Thr	Ser	Thr	Pro	Tyr	Glu			
					100					105					110			
Gly	Pro	Thr	Glu	Glu	Pro	Phe	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Val	Gln			
					115					120					125			
Gly	Gln	Ser	Ser	Glu	Gln	Leu	Asn	Arg	Phe	Ala	Gly	Phe	Gly	Ile	Gly			
					130					135					140			
Leu	Ala	Ser	Leu	Phe	Thr	Glu	Asn	Val	Leu	Ala	His	Pro	Cys	Ile	Val			
					145					150					155		160	
Leu	Arg	Arg	Gln	Cys	Gln	Val	Asn	Tyr	His	Ala	Gln	His	Tyr	His	Leu			
					165					170					175			
Thr	Pro	Phe	Thr	Val	Ile	Asn	Ile	Met	Tyr	Ser	Phe	Asn	Lys	Thr	Gln			
					180					185					190			
Gly	Pro	Arg	Ala	Leu	Trp	Lys	Gly	Met	Gly	Ser	Thr	Phe	Ile	Val	Gln			
					195					200					205			
Gly	Val	Thr	Leu	Gly	Ala	Glu	Gly	Ile	Ile	Ser	Glu	Phe	Thr	Pro	Leu			
					210					215					220			
Pro	Arg	Glu	Val	Leu	His	Lys	Trp	Ser	Pro	Lys	Gln	Ile	Gly	Glu	His			
					225					230					235		240	
Leu	Leu	Leu	Lys	Ser	Leu	Asn	Leu	Arg	Gly	Gly	Asn	Ala						
					245					250								

<210> 6114

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

5341

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6114

Ile	Leu	Phe	Cys	Pro	Ala	Ala	Ala	Xaa	Lys	Ala	Ser	His	Pro	Thr	Pro
1				5				10					15		

Arg	Thr	Phe	Leu	Val	Arg	Ser	Gly	Leu	Ala	Trp	Gly	Pro	Pro	Phe	Ser
			20					25					30		

Val	Ser	Leu	Val	Cys	Leu	Tyr	Pro	Ala	Leu	Leu	Ser	Ser	Leu	Cys	Ser
		35					40					45			

Ala	Cys	Leu	Ser	Leu	Phe	Ala	Ser	Pro	Phe	Ser	Leu	Ser	Cys	Arg	Leu
	50					55					60				

Leu	Ser	Leu	Gly	Pro	Pro	Trp	Phe	Cys	Leu	Val	Ser	Leu	Ser	Leu	Leu
65					70					75					80

Ile	Ser	Ser	Leu	Tyr	Ser	Phe	Ser	Arg	Ala	Gly	Pro	Thr	Gly	Arg	Thr
				85					90					95	

Arg	Leu	Ser	Gln	Ile	Asn	Pro	His	Thr	Asn	Lys	Ile	Gln	Asn	Gln	Ile
			100					105					110		

Pro	Leu	Xaa	Thr	Gly	Ala	Gly	Thr	Leu	Arg	Arg	Ser	Arg	Ile	Lys	Leu
		115					120					125			

Phe	Ser	Val	Ser	Glu	Ala	Leu	Leu	Thr	Cys	Val	Cys	Val	Cys	Val	Cys
	130					135					140				

Val	Leu	Gly	Glu	Gly	Asp	Leu	Asp	Cys	Ser	Ile	Arg	Thr	Leu	Ser	Glu
145					150					155					160

Thr	Glu	Gly	Arg	Trp	Glu	Asp	Asp
				165			

<210> 6115

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

5342

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6115

His	Glu	Val	Glu	Asn	Asn	Thr	Leu	Gly	Ser	Pro	Ala	Ala	Ser	Glu	Leu
1				5					10					15	

Leu	Glu	His	Leu	Lys	Pro	Thr	Tyr	Trp	Phe	Ser	Ala	His	Leu	His	Val
			20					25					30		

Lys	Phe	Ala	Ala	Leu	Met	Gln	His	Gln	Ala	Lys	Asp	Lys	Gly	Gln	Thr
		35					40					45			

Ala	Arg	Ala	Thr	Lys	Phe	Leu	Ala	Leu	Asp	Lys	Cys	Leu	Pro	His	Arg
	50					55					60				

Asp	Phe	Leu	Gln	Ile	Leu	Glu	Ile	Glu	His	Asp	Pro	Ser	Ala	Pro	Asp
65					70					75					80

Tyr	Leu	Glu	Tyr	Asp	Ile	Glu	Trp	Leu	Thr	Ile	Leu	Arg	Ala	Thr	Asp
				85					90					95	

Asp	Leu	Ile	Asn	Val	Thr	Gly	Arg	Leu	Trp	Asn	Met	Pro	Glu	Asn	Asn
			100					105					110		

Gly	Leu	His	Ala	Arg	Trp	Asp	Tyr	Ser	Ala	Thr	Glu	Glu	Gly	Met	Lys
		115					120					125			

Glu	Val	Leu	Glu	Lys	Leu	Asn	His	Asp	Leu	Lys	Xaa	Pro	Cys	Asn	Phe
	130					135					140				

Ser	Val	Thr	Ala	Ala	Cys	Tyr	Asp	Pro	Ser	Lys	Pro	Xaa	Thr	Gln	Met
145					150					155					160

Gln	Leu	Ile	His	Arg	Ile	Asn	Pro	Xaa	Thr	Thr	Glu	Phe	Cys	Ala	Gln
				165					170					175	

Leu	Gly	Ile	Ile
			180

5343

<210> 6116

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6116

Asn	Tyr	Lys	Ile	Cys	Met	Tyr	Leu	Ala	Leu	Asn	His	Asn	Leu	Lys	Tyr
1				5					10					15	

Phe	Met	Asn	Ser	Phe	Thr	Ser	Ile	Asp	Ser	Gln	Asn	Ser	Asn	Xaa	Lys
			20					25					30		

Leu	Ala	Ser	Glu	Pro	Val	Arg	Thr	Pro	Pro	His	Pro	Ser	Ser	Cys	Leu
		35					40					45			

Asp	Leu	Ser	Thr	Ala	Ile	Ile	Leu	Cys	Lys	Ala	Val	Val	Leu	Thr	
	50					55					60				

<210> 6117

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5344

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6117

Thr	Leu	Thr	Lys	Gly	Xaa	Lys	Ser	Trp	Xaa	Ser	Thr	Ala	Val	Thr	Thr
1				5					10					15	

Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Ala
			20					25					30		

Gln	Leu	Thr	Arg	Cys	Gln	Leu	Gly	Ser	Cys	Ser	Gly	Gly	Arg	Lys	Arg
		35					40					45			

Leu	Arg	Arg	Phe	Pro	Ala	Leu	Ser	Pro	Gln	Pro	Xaa	Arg	Xaa	Ser	Gly
	50					55					60				

Ser	Gln	Asp	Val	Xaa	Phe	Asp	Asp
65					70		

<210> 6118

<211> 257

<212> PRT

<213> Homo sapiens

<400> 6118

Pro	Arg	Val	Arg	Ala	Phe	Ala	Gly	Val	Pro	Thr	Arg	Gly	Arg	Thr	Arg
1				5					10					15	

Gly	Gln	Ser	Arg	Arg	Cys	Ala	Ala	Glu	Ala	Ser	Ala	Gly	Pro	Glu	Arg
			20					25					30		

Asp	Ala	Arg	Pro	Gly	Ala	Pro	Ala	Ala	Gly	Thr	Met	Gly	Ala	Ala	His
		35					40					45			

Ser	Ala	Ser	Glu	Glu	Val	Arg	Glu	Leu	Glu	Gly	Lys	Thr	Gly	Phe	Ser
	50					55					60				

Ser	Asp	Gln	Ile	Glu	Gln	Leu	His	Arg	Arg	Phe	Lys	Gln	Leu	Ser	Gly
65					70					75					80

Asp	Gln	Pro	Thr	Ile	Arg	Lys	Glu	Asn	Phe	Asn	Asn	Val	Pro	Asp	Leu
				85					90					95	

Glu	Leu	Asn	Pro	Ile	Arg	Ser	Lys	Ile	Val	Arg	Ala	Phe	Phe	Asp	Asn
			100					105					110		

Arg	Asn	Leu	Arg	Lys	Gly	Pro	Ser	Gly	Leu	Ala	Asp	Glu	Ile	Asn	Phe
		115					120					125			

5345

Glu Asp Phe Leu Thr Ile Met Ser Tyr Phe Arg Pro Ile Asp Thr Thr
 130 135 140
 Met Asp Glu Glu Gln Val Glu Leu Ser Arg Lys Glu Lys Leu Arg Phe
 145 150 155 160
 Leu Phe His Met Tyr Asp Ser Asp Ser Asp Gly Arg Ile Thr Leu Glu
 165 170 175
 Glu Tyr Arg Asn Val Val Glu Glu Leu Leu Ser Gly Asn Pro His Ile
 180 185 190
 Glu Lys Glu Ser Ala Arg Ser Ile Ala Asp Gly Ala Met Met Glu Ala
 195 200 205
 Ala Ser Val Cys Met Gly Gln Met Glu Pro Asp Gln Val Tyr Glu Gly
 210 215 220
 Ile Thr Phe Glu Asp Phe Leu Lys Ile Trp Gln Gly Ile Asp Ile Glu
 225 230 235 240
 Thr Lys Met His Val Arg Phe Leu Asn Met Glu Thr Met Ala Leu Cys
 245 250 255

His

<210> 6119
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 6119
 Leu Ser Ser Gly Ala Glu Gly Asp Pro Gly Ser Leu Thr Gly Arg Ala
 1 5 10 15
 Phe Phe Phe Thr Thr Thr Trp Ala Glu Val Arg Glu Phe Cys His Thr
 20 25 30
 Gly Gly Arg Val Thr His Gln Gly Gly Met Trp Leu Gln Gln Ala Lys
 35 40 45
 Gly His Arg Lys Gly Gly Ala Gly Asp Ser Arg Val Ala Ala Thr Leu
 50 55 60
 Val Gly Trp Gly Gly Ala Gly Gly Arg Ser Asn Arg Asp Gly Val Gly
 65 70 75 80

5346

Leu Lys Lys Ser Phe Phe Phe Ser Phe Phe Lys Gln Lys Lys
85 90

<210> 6120

<211> 120

<212> PRT

<213> Homo sapiens

<400> 6120

Arg Tyr Phe Leu Lys Met Ala Lys Ile Leu Thr Thr Pro Lys Phe Ala
1 5 10 15

His Ala Phe Arg Asn Leu Thr Phe Glu Gly Tyr Asp Gly Pro Val Thr
20 25 30

Leu Asp Asp Trp Gly Asp Val Asp Ser Thr Met Val Leu Leu Tyr Thr
35 40 45

Ser Val Asp Thr Lys Lys Tyr Lys Val Leu Leu Thr Tyr Asp Thr His
50 55 60

Val	Asn	Lys	Thr	Tyr	Pro	Val	Asp	Met	Ser	Pro	Thr	Phe	Thr	Trp	Lys
65					70					75					80

Asn Ser Lys Leu Pro Asn Asp Ile Thr Gly Arg Gly Pro Gln Ile Leu
85 90 95

Met Ile Ala Val Phe Thr Leu Thr Gly Ala Val Val Leu Ser Cys Arg
100 105 110

Arg Ser Pro Asp Ala Gln Lys Ile
115 120

<210> 6121

<211> 72

<212> PRT

<213> Homo sapiens

<400> 6121

Arg Pro Glu Gly Ala Gln Leu Cys Pro Gln Gly Lys Leu Lys Ser Pro
1 5 10 15

Ala Leu Ser Ala Leu Gly Pro Cys Arg Ala Val Arg Val Glu Leu Pro
20 25 30

Pro Gln Thr Leu Arg Ser His Ala Val His Ser Ser Ser Trp Ile Ser
35 40 45

5347

Leu Arg Thr Phe Val Leu Ala Tyr Leu Asn Asp Leu Ser Thr Glu Thr
 50 55 60

Pro Gly Cys Leu Pro Leu Pro Leu
 65 70

<210> 6122

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6122

Val Leu Xaa Ser Ile Pro Phe Ile Ile Ser Tyr Val Ile Ser Leu Ser
 1 5 10 15

Phe Leu Val Gly Ser Lys Thr His Xaa Gln Phe Ser Gln Ser Ser Met
 20 25 30

Asp Ile

<210> 6123

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

5348

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6123

Ser	Ser	Phe	Pro	Gln	Pro	Pro	Xaa	His	Gly	Trp	Val	Gly	Glu	Ala	Arg
1				5					10					15	

Arg	Asn	Xaa	Leu	Arg	Gln	Glu	Val	Ala	Ala	Ala	Gln	Val	Xaa	Leu	Leu
			20					25					30		

Ala	Ser	Glu	Pro	Thr	Glu	Val	Arg	Ser	Gly	Arg	Trp	Thr	Cys	Pro	Pro
		35					40					45			

Asn	Val	Pro	Asp	Ser	Gly	Ser	Cys	Cys	His	Trp	Ile	Ser	Trp	His	Gly
	50					55					60				

Arg	Gln	Lys	Glu	Arg
65				

<210> 6124

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6124

Thr	Pro	Ala	Pro	Pro	Ser	Pro	Ala	Ala	Ala	Arg	Glu	Ser	Thr	Arg	Arg
1				5					10					15	

Val	Ala	Ile	Asn	Val	Arg	Ala	Ser	Ile	Ala	Leu	Ser	Ser	Ser	Leu	Arg
			20					25					30		

Thr	Leu	Val	Leu	Pro	Arg	Leu	Thr	Pro	Thr	Ser	Pro	Gly	Pro	Arg	Gly
		35					40					45			

Trp	Gly	Asn	Leu	Ala	Val	Pro	Arg	Leu	Ser	Asn	Lys	Ala	Val	Leu	Ser
	50					55					60				

5349

Asn Ser Lys Lys Lys Lys Lys Lys Xaa Ser Phe Phe Phe Phe Phe Xaa
 65 70 75 80

<210> 6125
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6125
 Ser Ser Ser Xaa Lys Xaa Asp Xaa Arg Ile Gly Lys Ala Gly Thr Pro
 1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Glu
 20 25 30

Val Leu Phe Ser Thr Cys Gly Val Ser His Trp Lys His Asn Pro Ile
 35 40 45

Val Pro Glu Gly Phe Ser Pro Gln Trp Leu Ser His Pro Lys Arg Lys
 50 55 60

Ser Leu Ser Phe Leu Thr Leu Leu Phe Cys His Leu Leu Pro Leu Asp
 65 70 75 80

Asn Gln Gly Gln Gly Ala Thr Trp Lys Cys Leu Thr
 85 90

<210> 6126
 <211> 105

5350

<212> PRT

<213> Homo sapiens

<400> 6126

Asp	Glu	Glu	Ala	Lys	Asp	Glu	Lys	Ala	Glu	Pro	Asn	Arg	Asp	Lys	Ser
1				5					10					15	
Val	Gly	Pro	Leu	Pro	Gln	Ala	Asp	Pro	Glu	Val	Ser	Asp	Ile	Glu	Ser
			20					25					30		
Arg	Ile	Ala	Ala	Leu	Arg	Ala	Ala	Gly	Leu	Thr	Val	Lys	Pro	Ser	Gly
		35					40					45			
Lys	Pro	Arg	Arg	Lys	Ser	Asn	Leu	Pro	Ala	Leu	Tyr	Glu	Gly	Thr	Leu
	50					55					60				
Ser	Leu	Cys	Ser	Glu	Asp	Leu	Lys	His	Thr	His	Pro	Asp	Ser	Val	Lys
65					70					75					80
Ser	Lys	Arg	Ser	Arg	Leu	Asn	His	Val	Ala	Ser	Cys	Gly	Asn	Leu	Ser
				85					90					95	
Pro	Pro	Pro	Arg	Glu	Asp	Gly	Cys	Asp							
			100					105							

<210> 6127

<211> 42

<212> PRT

<213> Homo sapiens

<400> 6127

Thr	Pro	Glu	Leu	Lys	Arg	Ser	Phe	His	Leu	Ile	Leu	Gln	Ser	Ser	Trp
1				5					10					15	
Asp	Tyr	Ser	Arg	Val	Ser	Thr	Cys	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Ile
			20					25					30		
Phe	Leu	Glu	Leu	Gly	Ser	His	Tyr	Val	Ala						
		35					40								

<210> 6128

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5351

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6128

Pro	Ala	Ala	Val	Gln	Pro	Leu	Gly	Leu	Pro	Ser	Pro	Ser	Thr	Ser	Cys
1				5					10					15	

Ser	Ser	Ala	Ser	Gln	Ala	Ile	Ala	Met	Val	Phe	Val	Arg	Arg	Pro	Trp
			20					25					30		

Pro	Ala	Leu	Thr	Thr	Val	Leu	Leu	Ala	Leu	Leu	Val	Cys	Leu	Gly	Ala
		35					40					45			

Leu	Val	Asp	Ala	Tyr	Pro	Ile	Lys	Pro	Glu	Ala	Pro	Gly	Glu	Asp	Ala
	50						55					60			

Ser	Pro	Glu	Glu	Leu	Asn	Arg	Tyr	Tyr	Ala	Ser	Leu	Arg	His	Tyr	Leu
65					70					75					80

Asn	Leu	Val	Thr	Arg	Gln	Arg	Tyr	Gly	Lys	Arg	Asp	Gly	Pro	Asp	Thr
				85					90					95	

Leu	Leu	Ser	Lys	Thr	Phe	Phe	Pro	Asp	Gly	Glu	Asp	Arg	Pro	Val	Ser
			100					105					110		

Arg	Gly	Lys	Ser	Ala	Arg	Tyr	His	Thr	Ser	Cys	Ile	Arg	Glu	Arg	Gly
		115					120					125			

Leu	Ala	Leu	Pro	Trp	Gln	His	His	Leu	Thr	Thr	Ser	Pro	Arg	Leu	Ala
	130					135					140				

Ser	Pro	Asp	Pro	Ile	Leu	Xaa	Phe	Val	Xaa	Gln	Ser	Glu	Gly	Gln	Thr
145					150					155					160

Val	Val	Arg	Thr	Leu	Arg	Leu	Trp	Glu	Xaa	Ala	Asn	Ser	Gln	Ser	Phe
				165					170					175	

5352

<210> 6129

<211> 205

<212> PRT

<213> Homo sapiens

<400> 6129

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Lys Val His Ser Ser Glu Ala Gly Leu Thr Ser Arg Phe Leu Ile Ala
 1              5              10              15

Trp Asp Val His Arg Ala Asn Val Leu Glu Gly Gly Asp Pro Thr Phe
          20              25              30

Pro Gln Leu Thr Ala Ser Pro His Ser Met Asp Ser Met Leu Pro Ser
          35              40              45

Gly Glu Gly Gly Pro Lys Arg Thr His Pro Thr Val Pro Gly Ile Pro
          50              55              60

Gly Gly Thr Arg Ala Gly Ala Gly Lys Ile Gly Arg Met Ile Ala Glu
 65              70              75              80

Glu Ile Met Glu Ile His Arg Ile Arg Gly Ser Ser Pro Ser Ser Cys
          85              90              95

Gly Ser Ser Pro Leu Asn Ile Thr Ser Thr Pro Pro Pro Asp Ala Ser
          100              105              110

Ser Pro Gly Gly Lys Lys Ile Leu Asn Gly Gly Thr Pro Asp Ile Pro
          115              120              125

Ser Ser Gly Leu Leu Ser Gly Gln Ala Gln Glu Asn Pro Gly Tyr Pro
          130              135              140

Tyr Ser Asp Ser Ser Ser Ile Leu Gly Glu Asn Pro His Ile Gly Ile
145              150              155              160

Asp Met Ile Asp Asn Asp Gln Gly Ser Ser Ser Pro Ser Asn Asp Glu
          165              170              175

Ala Ala Met Ala Val Ile Met Ser Leu Leu Glu Ala Asp Ala Gly Leu
          180              185              190

Gly Gly Pro Val Asp Phe Ser Asp Leu Pro Trp Pro Leu
          195              200              205

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<210> 6130

<211> 63

<212> PRT

5353

<213> Homo sapiens

<400> 6130

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Pro Ala Lys Pro Gln Lys Gly Gln Glu Ser Gly Lys Leu Gln Arg Pro
 1              5              10              15

Lys Arg Gln Gln Leu Ile Val Ser Ser Glu Cys Cys Cys Gln Asn Lys
              20              25              30

Pro Thr Arg Ala Val Phe Ser Pro Cys Pro Asn Gln Ile Lys Val Gln
              35              40              45

Ile Pro Glu Lys Glu Pro Pro Trp Leu Gly Arg Thr Gln Ala His
 50              55              60

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<210> 6131

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6131

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Xaa Thr Val Ser Arg Val Arg Ala Leu Tyr Lys Arg Val Leu Gln Leu
 1              5              10              15

His Arg Val Leu Pro Pro Asp Leu Lys Ser Leu Gly Asp Gln Tyr Val
              20              25              30

Lys Asp Glu Phe Arg Arg His Lys Thr Val Gly Ser Asp Glu Ala Gln
              35              40              45

Arg Phe Leu Gln Glu Trp Glu Gly Phe Lys Cys Leu Lys Ser Gly Arg
              50              55              60

Glu Lys Glu Thr Val Phe Lys Glu Phe Lys Ile Leu Lys Trp Lys Arg
 65              70              75              80

Pro Xaa Arg

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5354

<210> 6132

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6132

Val	Gly	Leu	Glu	Ile	Asn	Met	Leu	Ala	Phe	Ile	Pro	Val	Leu	Thr	Lys
1				5					10				15		

Lys	Ile	Asn	Pro	Arg	Ser	Thr	Glu	Ala	Ala	Ile	Lys	Tyr	Phe	Leu	Thr
		20						25					30		

Gln	Ala	Thr	Ala	Ser	Ile	Ile	Leu	Leu	Ile	Ala	Ile	Leu	Phe	Asn	Asn
		35					40					45			

Ile	Leu	Ser	Gly	Gln
	50			

<210> 6133

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6133

Ala	Gln	Asp	Gln	Asn	Ser	Lys	Cys	Ile	Gly	Thr	Asp	Leu	Asn	Arg	Asn
1				5					10				15		

Phe	Asn	Ala	Ser	Trp	Asn	Ser	Ile	Pro	Asn	Thr	Asn	Asp	Pro	Cys	Ala
		20						25					30		

Asp	Asn	Tyr	Arg	Gly	Ser	Ala	Pro	Glu	Ser	Glu	Xaa	Glu	Thr	Lys	Xaa
		35					40					45			

Val	Thr	Asn	Phe	Ile	Arg	Ser	His	Leu	Asn	Glu	Ile	Lys	Val	Tyr	Ile
	50					55					60				

Thr	Phe	His	Ser	Tyr	Ser	Gln	Met	Leu	Leu	Phe	Pro	Tyr	Gly	Tyr	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

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<400> 6134
Met Val Leu Phe Ala Val Thr Gln Thr Thr Leu His Lys Thr Phe Phe
  1                      5                      10                      15

Pro Lys Trp Tyr Lys Phe Ile Asn Tyr His Phe Ser Leu Thr Val Phe
  20                      25                      30

Val Asn Thr Thr Leu Gln Lys Ser Ala Phe
  35                      40

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<210> 6135
<211> 212
<212> PRT
<213> Homo sapiens

<400> 6135
Phe Tyr Leu Gly Ser Ser Thr Ala Ser Asp Phe Leu Ala Val Glu Met
 1           5           10           15
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5356

Arg Arg Gly Arg Val Ala Phe Leu Trp Asp Leu Gly Ser Gly Ser Thr
 20 25 30
 Arg Leu Glu Phe Pro Asp Phe Pro Ile Asp Asp Asn Arg Trp His Ser
 35 40 45
 Ile His Val Ala Arg Phe Gly Asn Ile Gly Ser Leu Ser Val Lys Glu
 50 55 60
 Met Ser Ser Asn Gln Lys Ser Pro Thr Lys Thr Ser Lys Ser Pro Gly
 65 70 75 80
 Thr Ala Asn Val Leu Asp Val Asn Asn Ser Thr Leu Met Phe Val Gly
 85 90 95
 Gly Leu Gly Gly Gln Ile Lys Lys Ser Pro Ala Val Lys Val Thr His
 100 105 110
 Phe Lys Gly Cys Leu Gly Glu Ala Phe Leu Asn Gly Lys Ser Ile Gly
 115 120 125
 Leu Trp Asn Tyr Ile Glu Arg Glu Gly Lys Cys Arg Gly Cys Phe Gly
 130 135 140
 Ser Ser Gln Asn Glu Asp Pro Ser Phe His Phe Asp Gly Ser Gly Tyr
 145 150 155 160
 Ser Val Val Glu Lys Ser Leu Pro Ala Thr Val Thr Gln Ile Ile Met
 165 170 175
 Leu Phe Asn Thr Phe Ser Pro Asn Gly Leu Leu Ser Leu Pro Gly Phe
 180 185 190
 Ile Arg His Lys Arg Leu Phe Ile His Arg Ala Val Ser Trp Gln Ser
 195 200 205
 Glu Gly Tyr Asp
 210

<210> 6136

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

5357

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6136
 His Ala Ser Pro Pro Ser Glu Lys Lys Ile Leu Arg Gln Ser Met Cys
 1 5 10 15
 Phe Ser Cys Pro Ser Xaa His Arg Ser Leu Ser Xaa Thr Gln Xaa Asp
 20 25 30
 Phe Ser Gly Val Lys Phe Arg Arg His Gly Ala Asp Asn His Glu Ala
 35 40 45
 Ser Ala Ala Thr Ala Thr Thr Ala Ala Ala Thr Thr Val Ala Ala Ala
 50 55 60
 Ala Ala Ala Ala Ala Ala Arg Val Thr Leu Thr
 65 70 75

<210> 6137
 <211> 186
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6137
 Lys Leu Thr Leu Thr Lys Gly Xaa Lys Ser Trp Glu Leu His Arg Gly
 1 5 10 15
 Asp Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly
 20 25 30
 Thr Arg Thr Thr Glu Gly Glu Glu Ile Thr Glu Ser Ser Ser Thr Glu

5358

35 40 45

Glu Met Glu Val Arg Ser Val Val Ala Asp Thr Asp Gln Lys Ala Leu
50 55 60

Gly Ser Glu Val Gln Asp Ala Ser Lys Val Thr Thr Gln Ile Asp Lys
65 70 75 80

Glu Lys Lys Glu Ile Pro Val Ser Ile Lys Lys Glu Pro Glu Val Thr
85 90 95

Val Val Ser Gln Pro Thr Glu Pro Gln Pro Val Leu Ile Pro Ser Ile
100 105 110

Asn Ile Asn Ser Asp Ser Gly Glu Asn Lys Glu Glu Ile Gly Ser Leu
115 120 125

Ser Lys Thr Glu Thr Ile Leu Pro Pro Glu Ser Glu Asn Pro Lys Glu
130 135 140

Asn Asp Asn Asp Ser Gly Thr Gly Ser Thr Ala Asp Thr Ser Ser Ile
145 150 155 160

Asp Leu Asn Leu Ser Ile Ser Ser Phe Leu Ser Lys Thr Lys Asp Ser
165 170 175

Gly Ser Ile Ser Leu Gln Glu Thr Lys Lys
180 185

<210> 6138

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

5359

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6138

Xaa	Xaa	Leu	Leu	Lys	Gly	Thr	Lys	Xaa	Gly	Ser	Ser	Thr	Ala	Val	Xaa
1				5					10					15	

Thr	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg
			20					25					30		

Ala	Gly	Ser	Gly	Pro	Glu	Pro	Glu	Ser	Glu	Ser	Glu	Ser	Glu	Ser	Glu
		35					40				45				

Pro	Lys	Ser	Glu	Cys	Gln	Ser	Glu	Pro	Asp	Ser	Glu	Ser	Asp	Ala	Glu
	50					55					60				

Ser	Asp	Ser	Glu	Phe	Glu	Pro	Glu	Gly	Glu	Pro	Gly	Lys	Pro	Glu	Ala
65					70					75				80	

Glu	Leu	Arg	Gln	Gly	Ala	Glu
				85		

<210> 6139

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6139

Arg	Ala	Phe	Gly	Gln	Ala	Arg	Xaa	Ala	Ala	Glu	Ala	Ile	Ser	Leu	Thr
1				5					10					15	

Gln	Gly	Arg	Ser	Cys	Pro	Glu	Pro	Ala	Thr	Ala	Leu	Ser	Gln	Pro	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5360

[illegible]

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<210> 6140
<211> 594
<212> PRT
<213> Homo sapiens
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<400> 6140															
Arg	Gln	Ile	Phe	Gln	Ser	Leu	Pro	Pro	Phe	Met	Asp	Ile	Leu	Leu	Leu
1				5					10					15	
Leu	Leu	Phe	Phe	Met	Ile	Ile	Phe	Ala	Ile	Leu	Gly	Phe	Tyr	Leu	Phe
			20					25					30		
Ser	Pro	Asn	Pro	Ser	Asp	Pro	Tyr	Phe	Ser	Thr	Leu	Glu	Asn	Ser	Ile
		35					40					45			
Val	Ser	Leu	Phe	Val	Leu	Leu	Thr	Thr	Ala	Asn	Phe	Pro	Asp	Val	Met
	50					55					60				
Met	Pro	Ser	Tyr	Ser	Arg	Asn	Pro	Trp	Ser	Cys	Val	Phe	Phe	Ile	Val
65					70					75					80
Tyr	Leu	Ser	Ile	Glu	Leu	Tyr	Phe	Ile	Met	Asn	Leu	Leu	Leu	Ala	Val
				85					90					95	
Val	Phe	Asp	Thr	Phe	Asn	Asp	Ile	Glu	Lys	Arg	Lys	Phe	Lys	Ser	Leu
			100					105					110		
Leu	Leu	His	Lys	Arg	Thr	Ala	Ile	Gln	His	Ala	Tyr	Arg	Leu	Leu	Ile
		115					120					125			
Ser	Gln	Arg	Arg	Pro	Ala	Gly	Ile	Ser	Tyr	Arg	Gln	Phe	Glu	Gly	Leu
	130					135					140				
Met	Arg	Phe	Tyr	Lys	Pro	Arg	Met	Ser	Ala	Arg	Glu	Arg	Tyr	Leu	Thr
145				150						155					160

5361

Phe	Lys	Ala	Leu	Asn	Gln	Asn	Asn	Thr	Pro	Leu	Leu	Ser	Leu	Lys	Asp	165	170	175	
Phe	Tyr	Asp	Ile	Tyr	Glu	Val	Ala	Ala	Leu	Lys	Trp	Lys	Ala	Lys	Lys	180	185	190	
Asn	Arg	Glu	His	Trp	Phe	Asp	Glu	Leu	Pro	Arg	Thr	Ala	Leu	Leu	Ile	195	200	205	
Phe	Lys	Gly	Ile	Asn	Ile	Leu	Val	Lys	Ser	Lys	Ala	Phe	Gln	Tyr	Phe	210	215	220	
Met	Tyr	Leu	Val	Val	Ala	Val	Asn	Gly	Val	Trp	Ile	Leu	Val	Glu	Thr	225	230	235	240
Phe	Met	Leu	Lys	Gly	Gly	Asn	Phe	Phe	Ser	Lys	His	Val	Pro	Trp	Ser	245	250	255	
Tyr	Leu	Val	Phe	Leu	Thr	Ile	Tyr	Gly	Val	Glu	Leu	Phe	Leu	Lys	Val	260	265	270	
Ala	Gly	Leu	Gly	Pro	Val	Glu	Tyr	Leu	Ser	Ser	Gly	Trp	Asn	Leu	Phe	275	280	285	
Asp	Phe	Ser	Val	Thr	Val	Phe	Ala	Phe	Leu	Gly	Leu	Leu	Ala	Leu	Ala	290	295	300	
Leu	Asn	Met	Glu	Pro	Phe	Tyr	Phe	Ile	Val	Val	Leu	Arg	Pro	Leu	Gln	305	310	315	320
Leu	Leu	Arg	Leu	Phe	Lys	Leu	Lys	Glu	Arg	Tyr	Arg	Asn	Val	Leu	Asp	325	330	335	
Thr	Met	Phe	Glu	Leu	Leu	Pro	Arg	Met	Ala	Ser	Leu	Gly	Leu	Thr	Leu	340	345	350	
Leu	Ile	Phe	Tyr	Tyr	Ser	Phe	Ala	Ile	Val	Gly	Met	Glu	Phe	Phe	Cys	355	360	365	
Gly	Ile	Val	Phe	Pro	Asn	Cys	Cys	Asn	Thr	Ser	Thr	Val	Ala	Asp	Ala	370	375	380	
Tyr	Arg	Trp	Arg	Asn	His	Thr	Val	Gly	Asn	Arg	Thr	Val	Val	Glu	Glu	385	390	395	400
Gly	Tyr	Tyr	Tyr	Leu	Asn	Asn	Phe	Asp	Asn	Ile	Leu	Asn	Ser	Phe	Val	405	410	415	
Thr	Leu	Phe	Glu	Leu	Thr	Val	Val	Asn	Asn	Trp	Tyr	Ile	Ile	Met	Glu	420	425	430	

5362

Gly	Val	Thr	Ser	Gln	Thr	Ser	His	Trp	Ser	Arg	Leu	Tyr	Phe	Met	Thr	
435						440						445				
Phe	Tyr	Ile	Val	Thr	Met	Val	Val	Met	Thr	Ile	Ile	Val	Ala	Phe	Ile	
450						455						460				
Leu	Glu	Ala	Phe	Val	Phe	Arg	Met	Asn	Tyr	Ser	Arg	Lys	Asn	Gln	Asp	
465						470						475			480	
Ser	Glu	Val	Asp	Gly	Gly	Ile	Thr	Leu	Glu	Lys	Glu	Ile	Ser	Lys	Glu	
			485						490						495	
Glu	Leu	Val	Ala	Val	Leu	Glu	Leu	Tyr	Arg	Glu	Ala	Arg	Gly	Ala	Ser	
			500						505						510	
Ser	Asp	Val	Thr	Arg	Leu	Leu	Glu	Thr	Leu	Ser	Gln	Met	Glu	Arg	Tyr	
515						520						525				
Gln	Gln	His	Ser	Met	Val	Phe	Leu	Gly	Arg	Arg	Ser	Arg	Thr	Lys	Ser	
530						535						540				
Asp	Leu	Ser	Leu	Lys	Met	Tyr	Gln	Glu	Glu	Ile	Gln	Glu	Trp	Tyr	Glu	
545						550						555			560	
Glu	His	Ala	Arg	Glu	Gln	Glu	Gln	Gln	Arg	Gln	Leu	Ser	Ser	Ser	Ala	
			565						570						575	
Ala	Pro	Ala	Ala	Gln	Gln	Pro	Pro	Gly	Ser	Arg	Gln	Arg	Ser	Gln	Thr	
			580						585						590	
Val	Thr															

<210> 6141

<211> 377

<212> PRT

<213> Homo sapiens

<400> 6141

Leu Ala Glu Ala Thr Lys Lys Glu Ile Thr Phe Phe Gln Thr His Pro
1 5 10 15

Tyr Phe Arg Val Leu Leu Glu Glu Gly Ser Ala Thr Val Pro Arg Leu
20 25 30

Ala Glu Arg Leu Thr Thr Glu Leu Ile Met His Ile Gln Lys Ser Leu
35 40 45

5363

Pro Leu Leu Glu Gly Gln Ile Arg Glu Ser His Gln Lys Ala Thr Glu
 50 55 60

Glu Leu Arg Arg Cys Gly Ala Asp Ile Pro Ser Gln Glu Ala Asp Lys
 65 70 75 80

Met Phe Phe Leu Ile Glu Lys Ile Lys Met Phe Asn Gln Asp Ile Glu
 85 90 95

Lys Leu Val Glu Gly Glu Glu Val Val Arg Glu Asn Glu Thr Arg Leu
 100 105 110

Tyr Asn Lys Ile Arg Glu Asp Phe Lys Asn Trp Val Gly Ile Leu Ala
 115 120 125

Thr Asn Thr Gln Lys Val Lys Asn Ile Ile His Glu Glu Val Glu Lys
 130 135 140

Tyr Glu Lys Gln Tyr Arg Gly Lys Glu Leu Leu Gly Phe Val Asn Tyr
 145 150 155 160

Lys Thr Phe Glu Ile Ile Val His Gln Tyr Ile Gln Gln Leu Val Glu
 165 170 175

Pro Ala Leu Ser Met Leu Gln Lys Ala Met Glu Ile Ile Gln Gln Ala
 180 185 190

Phe Ile Asn Val Ala Lys Lys His Phe Gly Glu Phe Phe Asn Leu Asn
 195 200 205

Gln Thr Val Gln Ser Thr Ile Glu Asp Ile Lys Val Lys His Thr Ala
 210 215 220

Lys Ala Glu Asn Met Ile Gln Leu Gln Phe Arg Met Glu Gln Met Val
 225 230 235 240

Phe Cys Gln Asp Gln Ile Tyr Ser Val Val Leu Lys Lys Val Arg Glu
 245 250 255

Glu Ile Phe Asn Pro Leu Gly Thr Pro Ser Gln Asn Met Lys Leu Asn
 260 265 270

Ser His Phe Pro Ser Asn Glu Ser Ser Val Ser Ser Phe Thr Glu Ile
 275 280 285

Gly Ile His Leu Asn Ala Tyr Phe Leu Glu Thr Ser Lys Arg Leu Ala
 290 295 300

Asn Gln Ile Pro Phe Ile Ile Gln Tyr Phe Met Leu Arg Glu Asn Gly
 305 310 315 320

5364

Asp Ser Leu Gln Lys Ala Met Met Gln Ile Leu Gln Glu Lys Asn Arg
 325 330 335
 Tyr Ser Trp Leu Leu Gln Glu Gln Ser Glu Thr Ala Thr Lys Arg Arg
 340 345 350
 Ile Leu Lys Glu Arg Ile Tyr Arg Leu Thr Gln Ala Arg His Ala Leu
 355 360 365
 Cys Gln Phe Ser Ser Lys Glu Ile His
 370 375

<210> 6142
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 6142
 Gln Ile Lys Gly Glu Val Leu Ala Lys Ser Ile Cys Glu Asp Asp Thr
 1 5 10 15
 Leu Gly Ile Ala Gly His Lys Thr Gly Lys Val Gly Lys Cys Ser Leu
 20 25 30
 Asn Gly Ala Tyr Thr Leu Ser Tyr Arg Gln Trp Glu Ala Leu Gly Lys
 35 40 45
 Asn Thr Val Ile Arg Lys Phe Cys Ile His Phe Ser Asn Gly Glu Lys
 50 55 60
 Leu Gly Asn Ser Leu Leu Gly Gly Ser Leu Trp Ala Gly Ile Ser Gln
 65 70 75 80
 Leu Ile Ser Gly Phe Ile Phe
 85

<210> 6143
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 6143

5365

Ile Arg His Arg Leu Asp Leu Leu Leu Gly Val Arg Glu Lys Ser Val
 1 5 10 15
 Ser Xaa Leu Leu Val Leu Leu Pro Lys Cys Phe Tyr Lys Glu Met Thr
 20 25 30
 Gly Asp Ile Tyr Ser Pro Lys Glu Leu Ile Tyr
 35 40

<210> 6144
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 6144
 His Lys Arg Cys Leu Ile Phe Ile Gln Ala Ile Phe Ala His Ile His
 1 5 10 15
 Gln Asn Gly Met Thr Gln Gly Lys Asn His Phe Ala Lys Gly Asn Lys
 20 25 30
 Thr Ser Cys Arg Gln Leu Asp Thr Phe Arg Leu Phe Arg Lys Val Cys
 35 40 45
 Thr Gly Thr Leu Ile Gly Ile Leu Leu Val Tyr Leu Leu Ser Tyr Phe
 50 55 60
 Lys Val Val Ala Leu Ile Ile Val Val Ser Val Phe
 65 70 75

<210> 6145
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6145
 Trp Met Lys Met Arg Lys Thr Glu Pro Arg Glu Leu Leu Glu Thr Ser
 1 5 10 15
 Leu Arg Lys Lys Arg Arg Asp Gln Phe Asn Val Leu Ile Lys Glu Leu
 20 25 30

Ser	Ser	Met	Leu	Pro	Gly	Asn	Thr	Arg	Lys	Met	Asp	Lys	Thr	Thr	Val
35						40						45			
Leu	Glu	Lys	Val	Ile	Gly	Phe	Leu	Gln	Lys	His	Asn	Glu	Val	Ser	Ala
50						55						60			
Gln	Thr	Glu	Ile	Cys	Asp	Ile	Gln	Gln	Asp	Trp	Xaa	Pro	Ser	Phe	Leu
65						70						75			
Ser	Asn	Glu	Glu	Phe	Thr	Gln	Leu	Met	Leu	Glu	Ser	His	Phe	Arg	Asp
			85						90						
									95						
Cys	Glu	Glu	Ser	Arg	Cys	His	Val	Leu	Val	Ala	Arg	Met	Phe	Pro	Phe
			100						105						
												110			

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<210> 6146
<211> 75
<212> PRT
<213> Homo sapiens
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<400> 6146
Ser Phe Thr Pro Ala Asn Thr Ser Ile Leu Leu Ile Asn Gly Asn Ile
  1                      5                      10                      15
Leu Met Cys His Phe Leu Ser Lys Gln Val Ser Tyr Thr Ala Pro Arg
          20                      25                      30
Gly Pro Arg Glu Ala Glu Ala Gln Thr Glu Gly Glu His Ser Leu Ala
          35                      40                      45
Gly Arg His Met Pro Gly Arg Met Thr Ile Gly Ile Ala Ser Ser Ile
  50                      55                      60
Asn Gln Leu Leu Lys Gly Phe Leu Ser Asp Ser
  65                      70                      75

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<210> 6147
<211> 32
<212> PRT
<213> Homo sapiens
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<400> 6147
Thr Leu Cys Val Gly Ser Trp Gln Ala Ala Met Ser Leu Gly Ile Ile
1 5 10 15

5367

Glu Ile Ile Asp Asp Thr Glu His Ser Tyr Ala Leu Ser Leu Tyr Ser
 20 25 30

<210> 6148

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6148

Gln Asp Arg Lys Gly Asp Arg Xaa Arg Leu Tyr Leu Lys Lys Xaa Xaa
 1 5 10 15

Thr Ile Leu Phe Leu Ile Leu Phe Asn Ser Ser Phe Leu Phe Phe Ser
 20 25 30

Pro Trp Leu Leu Cys Ser Leu Ile Val Ile
 35 40

<210> 6149

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6149

Asp Phe Phe Phe Lys Arg Thr Phe Lys Ile Met Ile Ser Asn Phe Asn
 1 5 10 15

Cys Ile Tyr Arg Gly Phe Lys Glu Ser Leu Ile Ser Cys Thr Leu Leu

5368

	20		25		30
Arg	Leu	Ser	Tyr	Ser	Phe
	35		40		45
Glu	Ala	Asp	Pro	Leu	Gln
	50		55		60
Ser	Arg	Leu	Leu	Gln	Ser
	65		70		

<210> 6150
 <211> 35
 <212> PRT
 <213> Homo sapiens

	<400> 6150									
Leu	Thr	Leu	Tyr	Asp	Met	Cys	Lys	Ala	Val	Ser
1				5					10	
										15
Glu	Glu	Ile	Lys	Leu	Ile	Ser	Lys	Thr	Gly	Gly
			20					25		30
His	Arg	Ala								
		35								

<210> 6151
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

	<400> 6151									
Leu	Ser	Thr	Glu	Cys	Asp	Arg	Tyr	Cys	Ser	Lys
1				5					10	
										15
Asp	Leu	Leu	Leu	Gln	Asn	Thr	Pro	Met	Ser	Asn
			20					25		30
Tyr	Leu	Gln	Leu	Arg	Lys	Leu	Gly	Thr	Glu	Xaa
		35				40				45

5369

<210> 6152

<211> 66

<212> PRT

<213> Homo sapiens

<400> 6152

Ala	Lys	Ile	Lys	Gly	Leu	Gln	Lys	His	Ser	Phe	Leu	Cys	Cys	Ser	Leu
1				5					10					15	

Leu	Gly	Phe	Met	Gln	Arg	Gln	Phe	Cys	Val	Asn	Val	Gln	Leu	Thr	Leu
			20					25					30		

Ile	Trp	Lys	Tyr	Glu	Asn	Gln	Ser	Ile	Leu	Val	Ile	Lys	Asn	Phe	Phe
		35					40					45			

Thr	Ile	Val	Ile	Ile	Leu	Met	Phe	Ile	Leu	Cys	Lys	Ile	Thr	His	Leu
		50				55					60				

Ile	Lys
65	

<210> 6153

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6153

Gly	Val	Leu	Gly	Gln	Xaa	Val	Thr	Xaa	Tyr	Phe	Ser	Gln	Pro	Leu	Xaa
1				5					10					15	

Cys	Asp	Trp	Arg	Thr	Leu	Leu	Phe	Ser	His	Val	Phe	Leu	Ile	Met	Pro
			20					25					30		

5370

Glu Ser Pro Thr Pro Leu Leu Gly Arg Asp Ile Leu Gly Lys Ala Gly
35 40 45

Ala Val Ile His
50

<210> 6154

<211> 83

<212> PRT

<213> Homo sapiens

<400> 6154

Ser Val Trp Gly Ser Val Ser Phe Pro Gly Ser Trp His Ser Ser Gly
1 5 10 15

Pro Leu Ser Leu Pro Leu Leu Gly Glu Gly Gly Lys Arg Glu Ile Pro
20 25 30

Ser Ser Gln Pro Glu Arg Ala Glu Ala Asp Arg Ser Pro Leu Ala Leu
35 40 45

Cys Ala Cys Val Arg Ala Ser Val Ser Leu Leu Val Gly Arg Ser Asp
50 55 60

Val Val Gly Gly Lys Pro Gly Met Tyr Pro Phe Gln Thr Lys Leu Asn
65 70 75 80

Ile Leu Lys

<210> 6155

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6155

Glu Asn Ala Leu Gln Thr Phe Leu His Pro Thr Pro Pro Asn Ser Glu

5371

1	5	10	15
Ala Cys Trp Asp Pro Ser Ser Pro Ile Gly Ser Pro Gly Xaa Pro Ser	20	25	30
Val Phe Thr Gln Ser Arg Pro Phe Phe Arg Ser Phe Pro Val Arg Gly	35	40	45
Arg Tyr Thr Trp Thr Arg Ile Tyr Pro His Leu Thr Thr Leu Lys Ser	50	55	60
Cys Phe Leu Pro Xaa Ile His Ile Leu Ser Ser Cys His Leu Pro Ile	65	70	75
Gln Leu His Ile Cys Leu Ile Ala Leu Phe Phe Ser Val His Leu Ser	85	90	95

<210> 6156

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6156

Leu Ala Ile Ser Phe Thr Lys Met Ser Ser Ala Ala Glu Asn Gly Glu	1	5	10	15
Ala Ala Pro Gly Lys Gln Asn Glu Glu Lys Thr Tyr Lys Lys Thr Ala	20	25	30	
Ser Ser Ala Ile Lys Gly Ala Ile Gln Leu Gly Ile Gly Tyr Thr Val	35	40	45	
Gly Asn Leu Thr Ser Lys Pro Glu Pro Arg Cys Ser Tyr Ala Arg Leu	50	55	60	
Leu Cys Gly Gly Lys Cys Val Pro Thr Gln Arg Arg Glu Ala Ile Leu	65	70	75	80
Thr Pro Ala His His Tyr Pro Arg Leu	85			

<210> 6157

<211> 36

<212> PRT

5372

<213> Homo sapiens

<400> 6157

Thr Ala Cys Lys Ile Leu Tyr Met Arg Cys Cys Arg Tyr Arg Asn Glu
 1 5 10 15

Phe Ser Val His Val Trp Leu Ile Phe Phe Val His Asp Phe Cys Met
 20 25 30

Phe Pro Phe Gln
 35

<210> 6158

<211> 387

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6158

Pro Ala Gln Arg Pro Pro Pro Ala Xaa Gly Ala Ser Arg Gly Pro Gly
 1 5 10 15

Gln Thr Arg Cys Glu Met Glu Lys Tyr Leu Thr Pro Gln Leu Pro Pro
 20 25 30

Val Pro Ile Ile Pro Glu His Lys Lys Tyr Arg Arg Asp Ser Ala Ser
 35 40 45

Val Val Asp Gln Phe Phe Thr Asp Thr Glu Gly Leu Pro Tyr Ser Ile
 50 55 60

Asn Met Asn Val Phe Leu Pro Asp Ile Thr His Leu Arg Thr Gly Leu
 65 70 75 80

Tyr Lys Ser Gln Arg Pro Cys Val Thr His Ile Lys Thr Glu Pro Val
 85 90 95

Ala Ile Phe Ser His Gln Ser Glu Thr Thr Ala Pro Pro Pro Ala Pro
 100 105 110

Thr Gln Ala Leu Pro Glu Phe Thr Ser Ile Phe Ser Ser His Gln Thr
 115 120 125

Ala Ala Pro Glu Val Asn Asn Ile Phe Ile Lys Gln Glu Leu Pro Thr
 130 135 140

5373

Pro	Asp	Leu	His	Leu	Ser	Val	Pro	Thr	Gln	Gln	Gly	His	Leu	Tyr	Gln	145	150	155	160
Leu	Leu	Asn	Thr	Pro	Asp	Leu	Asp	Met	Pro	Ser	Ser	Thr	Asn	Gln	Thr	165	170	175	
Ala	Ala	Met	Asp	Thr	Leu	Asn	Val	Ser	Met	Ser	Ala	Ala	Met	Ala	Gly	180	185	190	
Leu	Asn	Thr	His	Thr	Ser	Ala	Val	Pro	Gln	Thr	Ala	Val	Lys	Gln	Phe	195	200	205	
Gln	Gly	Met	Pro	Pro	Cys	Thr	Tyr	Thr	Met	Pro	Ser	Gln	Phe	Leu	Pro	210	215	220	
Gln	Gln	Ala	Thr	Tyr	Phe	Pro	Pro	Ser	Pro	Pro	Ser	Ser	Glu	Pro	Gly	225	230	235	240
Ser	Pro	Asp	Arg	Gln	Ala	Glu	Met	Leu	Gln	Asn	Leu	Thr	Pro	Pro	Pro	245	250	255	
Ser	Tyr	Ala	Ala	Thr	Ile	Ala	Ser	Lys	Leu	Ala	Ile	His	Asn	Pro	Asn	260	265	270	
Leu	Pro	Thr	Thr	Leu	Pro	Val	Asn	Ser	Gln	Asn	Ile	Gln	Pro	Val	Arg	275	280	285	
Tyr	Asn	Arg	Arg	Ser	Asn	Pro	Asp	Leu	Glu	Lys	Arg	Arg	Ile	His	Tyr	290	295	300	
Cys	Asp	Tyr	Pro	Gly	Cys	Thr	Lys	Val	Tyr	Thr	Lys	Ser	Ser	His	Leu	305	310	315	320
Lys	Ala	His	Leu	Arg	Thr	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Thr	325	330	335	
Trp	Glu	Gly	Cys	Asp	Trp	Arg	Phe	Ala	Arg	Ser	Asp	Glu	Leu	Thr	Arg	340	345	350	
His	Tyr	Arg	Lys	His	Thr	Gly	Ala	Lys	Pro	Phe	Gln	Cys	Gly	Val	Cys	355	360	365	
Asn	Arg	Ser	Phe	Ser	Arg	Ser	Asp	His	Leu	Ala	Leu	His	Met	Lys	Arg	370	375	380	
His	Gln	Asn														385			

5374

<210> 6159

<211> 81

<212> PRT

<213> Homo sapiens

$\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6159

Thr Gly Asn Ser Gln Ser Xaa Phe Thr His His Leu Pro Val Asn Ser
1 5 10 15

Gln Asn Xaa Gln Pro Val Arg Tyr Asn Arg Arg Ser Asn Pro Asp Leu
20 25 30

Glu Lys Arg Arg Ile His Tyr Cys Asp Tyr Pro Gly Cys Thr Lys Val
35 40 45

Tyr Thr Lys Ser Ser His Leu Lys Ala His Leu Arg Thr His Thr Gly
50 55 60

Glu Val Ile Ser Thr Arg Leu Phe Cys Phe Asn Leu Gln Lys Glu Gly
65 70 75 80

Val

<210> 6160

<211> 142

<212> PRT

<213> Homo sapiens

<400> 6160

Val	Leu	Pro	Pro	Leu	Leu	Ile	Met	Leu	Val	Ile	Tyr	Ile	Lys	Ile	Phe
1				5					10					15	

Leu Val Ala Cys Arg Gln Leu Gln Arg Thr Glu Leu Met Asp His Ser
20 25 30

Arg Thr Thr Leu Gln Arg Glu Ile His Ala Ala Lys Ser Leu Ala Met
35 40 45

5375

Ile Val Gly Ile Phe Ala Leu Cys Trp Leu Pro Val His Ala Val Asn
 50 55 60
 Cys Val Thr Leu Phe Gln Pro Ala Gln Gly Lys Asn Lys Pro Lys Trp
 65 70 75 80
 Ala Met Asn Met Ala Ile Leu Leu Ser His Ala Asn Ser Val Val Asn
 85 90 95
 Pro Ile Val Tyr Ala Tyr Arg Asn Arg Asp Phe Arg Tyr Thr Phe His
 100 105 110
 Lys Ile Ile Ser Arg Tyr Leu Leu Cys Gln Ala Asp Val Lys Ser Gly
 115 120 125
 Asn Gly Gln Ala Gly Val Gln Pro Ala Leu Gly Val Gly Leu
 130 135 140

<210> 6161
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 6161
 Lys Ser Ile Glu Gln Lys Gly Met His Ala Val Phe Gln Trp Leu Arg
 1 5 10 15
 His Ala Phe Tyr Ser Leu Thr Ser Ile His Phe Phe Thr Thr Cys Ile
 20 25 30
 Lys Thr Asn Asp Leu Cys Phe Cys His Arg Gln Lys Gln Val Asp Thr
 35 40 45
 Gly Gly Leu Ala Leu Leu Ile Asn Phe Phe Ser Ile Arg Phe Ser Leu
 50 55 60
 Ile Met Leu Asn Phe
 65

<210> 6162
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 6162
 Phe Ser Lys His Asn Leu Ile Pro Asn Arg Phe Pro Leu Asn Gly Leu
 1 5 10 15

5376

Arg Cys Val Arg Thr Trp Ala Arg Ala Gly Arg Thr Ile Leu Ile Pro
 20 25 30
 Leu Phe Pro Ala Tyr His Leu Cys Ser Pro Phe Ser Ser Leu Pro Phe
 35 40 45
 Asn Cys Leu Leu Cys Phe Val Ser Tyr His Cys Cys Trp Cys Leu Glu
 50 55 60
 Pro Ala Ser Ser Thr Trp Gln Thr Ser Arg Pro Cys Gly Gln Arg Leu
 65 70 75 80
 Gly Leu His Ile Tyr Ile Ser Gln Met Ile Trp Val Asp Gly Asp Arg
 85 90 95

<210> 6163

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6163

Ile Leu Cys Thr Arg Ile Pro Gly Arg Val Phe Tyr Pro Trp Lys Gln
 1 5 10 15
 Val Ser Asp Tyr Phe Val Phe Thr Val Arg Val Ser Ser Leu Glu Met
 20 25 30
 Leu Thr Leu Lys Ser Val Phe Phe Ser Leu Tyr Leu Lys Ile Val Asn
 35 40 45
 Ile Leu Ile Ser Ser
 50

<210> 6164

<211> 105

<212> PRT

<213> Homo sapiens

<400> 6164

Ile Arg His Glu Gly Ala Gly Pro Ser Gln Leu Arg Leu His Tyr Pro
 1 5 10 15
 Arg Ile Ser Met Ala Val Arg Gln Trp Val Ile Ala Leu Ala Leu Ala

5377

20	25	30
Ala Leu Leu Val Val Asp Arg Glu Val Pro Val Ala Ala Gly Lys Leu		
35	40	45
Pro Phe Ser Arg Met Pro Ile Cys Glu His Met Val Glu Ser Pro Thr		
50	55	60
Cys Ser Gln Met Ser Asn Leu Val Cys Gly Thr Asp Gly Leu Thr Tyr		
65	70	75
Thr Asn Glu Cys Gln Leu Cys Leu Ala Arg Ile Lys Thr Lys Gln Asp		
85	90	95
Ile Gln Ile Met Lys Asp Gly Lys Cys		
100	105	

<210> 6165

<211> 69

<212> PRT

<213> Homo sapiens

<400> 6165

His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
1 5 10 15
Glu Thr Glu Ser His Lys Ala Leu Ser Asp Leu Glu Leu Ala Ala Gln
20 25 30
Ser Ile Ile Phe Ile Phe Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu
35 40 45
Ser Phe Thr Leu Tyr Glu Leu Ala Thr His Pro Asp Val Gln Gln Lys
50 55 60
Leu Gln Lys Gly Asp
65

<210> 6166

<211> 79

<212> PRT

<213> Homo sapiens

<400> 6166

His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
1 5 10 15

5378

Glu Thr Glu Ser His Lys Ala Leu Ser Asp Leu Glu Leu Ala Ala Gln
 20 25 30

Ser Ile Ile Phe Ile Phe Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu
 35 40 45

Ser Phe Thr Leu Tyr Glu Leu Ala Thr His Pro Asp Val Gln Gln Lys
 50 55 60

Leu Gln Lys Glu Ile Asp Ala Val Leu Pro Asn Lys Val Arg Gly
 65 70 75

<210> 6167

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6167

Xaa Glu His Pro Ser Thr Ala Pro Gly Lys Met Ser Thr Glu Gly Gly
 1 5 10 15

Gly Arg Arg Cys Gln Ala Gln Val Ser Arg Arg Ile Ser Phe Ser Ala
 20 25 30

Ser His Arg Leu Tyr Ser Lys Phe Leu Ser Asp Glu Glu Asn Leu Lys
 35 40 45

Leu Phe Gly Lys Cys Asn Asn Pro Asn Gly His Gly His Asn Tyr Lys
 50 55 60

Val Val Val Thr Val His Gly Glu Ile Asp Pro Ala Thr Gly Met Val
 65 70 75 80

Met Asn Leu Ala Asp Leu Lys Lys Tyr Met Glu Glu Ala Ile Met Gln
 85 90 95

Pro Leu Asp His Lys Asn Leu Asp Met Asp Val Pro Tyr Phe Ala Asp
 100 105 110

5379

Val Val Xaa Leu Pro Gly Leu
115

<210> 6168

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6168

Pro Glu Gln Arg Gly Ser Ser Met Ala His Gly Pro Gly Ala Leu Met
1 5 10 15

Leu Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys Thr Cys Leu
20 25 30

Leu Met Ser Tyr Ala Asn Asp Ala Phe Pro Glu Ser Thr Cys Pro Pro
35 40 45

Ser Ser Thr Thr Thr Gln Glu Asp Tyr Asp Arg Leu Arg Pro Leu Ser
50 55 60

Tyr Pro Met Thr Asp Val Phe Leu Ile Cys Phe Ser Val Val Asn Pro
65 70 75 80

Ala Ser Phe Gln Asn Val Lys Glu Glu Trp Val Pro Glu Leu Lys Glu
85 90 95

Tyr Ala Pro Asn Val Pro Phe Leu Leu Ile Gly Thr Gln Ile Asp Leu
100 105 110

Arg Asp Asp Pro Lys Thr Leu Ala Arg Leu Asn Asp Met Lys Glu Lys
115 120 125

Pro Ile Cys Val Glu Gln Gly Gln Lys Leu Ala Lys Glu Ile Gly Ala
130 135 140

Cys Cys Tyr Val Glu Cys Ser Ala Leu Thr Gln Lys Gly Leu Lys Thr
145 150 155 160

Val Phe Asp Glu Ala Ile Ile Ala Ile Leu Thr Pro Lys Lys His Thr
165 170 175

Val Lys Lys Arg Ile Gly Ser Arg Cys Ile Asn Cys Cys Leu Ile Thr
180 185 190

5380

<210> 6169

<211> 51

<212> PRT

<213> Homo sapiens

<400> 6169

Ala Lys Cys Arg Pro Val Cys Ser Cys Val Phe Phe Leu Trp Leu Pro
 1 5 10 15

His Leu Phe His Leu Gln Leu Asp Pro Pro Leu Gln Ile Glu Asn Ser
 20 25 30

Gly Gly Gly Trp Gly Leu Lys Ser Arg Glu Pro Pro Phe Cys Ser Thr
 35 40 45

Asn Phe Thr
 50

<210> 6170

<211> 353

<212> PRT

<213> Homo sapiens

<400> 6170

Arg Arg Arg Ser Val Leu Pro Val Thr Ala Ala Ala Ala Ala Ala Pro
 1 5 10 15

Asp Thr Cys Gly Gly Gly Gly Asp Pro Ala Ala Gly Ala Glu Met Trp
 20 25 30

Pro Leu Val Ala Ala Leu Leu Leu Gly Ser Ala Cys Cys Gly Ser Ala
 35 40 45

Gln Leu Leu Phe Asn Lys Thr Lys Ser Val Glu Phe Thr Phe Cys Asn
 50 55 60

Asp Thr Val Val Ile Pro Cys Phe Val Thr Asn Met Glu Ala Gln Asn
 65 70 75 80

Thr Thr Glu Val Tyr Val Lys Trp Lys Phe Lys Gly Arg Asp Ile Tyr
 85 90 95

Thr Phe Asp Gly Ala Leu Asn Lys Ser Thr Val Pro Thr Asp Phe Ser
 100 105 110

Ser Ala Lys Ile Glu Val Ser Gln Leu Leu Lys Gly Asp Ala Ser Leu
 115 120 125

5381

Lys Met Asp Lys Ser Asp Ala Val Ser His Thr Gly Asn Tyr Thr Cys
 130 135 140
 Glu Val Thr Glu Leu Thr Arg Glu Gly Glu Thr Ile Ile Glu Leu Lys
 145 150 155 160
 Tyr Arg Val Val Ser Trp Phe Ser Pro Asn Glu Asn Ile Leu Ile Val
 165 170 175
 Ile Phe Pro Ile Phe Ala Ile Leu Leu Phe Trp Gly Gln Phe Gly Ile
 180 185 190
 Lys Thr Leu Lys Tyr Arg Ser Gly Gly Met Asp Glu Lys Thr Ile Ala
 195 200 205
 Leu Leu Val Ala Gly Leu Val Ile Thr Val Ile Val Ile Val Gly Ala
 210 215 220
 Ile Leu Phe Val Pro Gly Glu Tyr Ser Leu Lys Asn Ala Thr Gly Leu
 225 230 235 240
 Gly Leu Ile Val Thr Ser Thr Gly Ile Leu Ile Leu Leu His Tyr Tyr
 245 250 255
 Val Phe Ser Thr Ala Ile Gly Leu Thr Ser Phe Val Ile Ala Ile Leu
 260 265 270
 Val Ile Gln Val Ile Ala Tyr Ile Leu Ala Val Val Gly Leu Ser Leu
 275 280 285
 Cys Ile Ala Ala Cys Ile Pro Met His Gly Pro Leu Leu Ile Ser Gly
 290 295 300
 Leu Ser Ile Leu Ala Leu Ala Gln Leu Leu Gly Leu Val Tyr Met Lys
 305 310 315 320
 Phe Val Ala Ser Asn Gln Lys Thr Ile Gln Pro Pro Arg Lys Ala Val
 325 330 335
 Glu Glu Pro Leu Asn Ala Phe Lys Glu Ser Lys Gly Met Met Asn Asp
 340 345 350

Glu

<210> 6171

<211> 358

<212> PRT

<213> Homo sapiens

5382

<400> 6171

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
 1 5 10 15
 Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Trp Ala Leu
 20 25 30
 Arg Ile Ser Arg Phe Leu Pro Gly Phe His Ser Phe Ala Pro Cys Thr
 35 40 45
 Val Ala Pro Ser Leu Arg Ala Gln Pro Ala Lys Gln Arg Ala Pro Val
 50 55 60
 Ala Gly Val Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu
 65 70 75 80
 Thr Leu Leu Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala
 85 90 95
 Ser Ser Ala Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala
 100 105 110
 Arg Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu
 115 120 125
 Val Arg Glu Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu
 130 135 140
 Gly Gln Pro Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg
 145 150 155 160
 Cys Gln Pro Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp
 165 170 175
 Gly Arg Gly Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala
 180 185 190
 Tyr Leu Leu Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu
 195 200 205
 Glu Asp Arg Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr
 210 215 220
 His Arg Val Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile
 225 230 235 240
 Ile Ile Lys Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp
 245 250 255
 Tyr Glu Ser Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys

5383

260	265	270
Arg Glu Thr Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu		
275	280	285
Asn His Leu Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile		
290	295	300
Pro Asn Cys Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro		
305	310	315
Ser Lys Gly Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly		
325	330	335
Gln Pro Leu Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys		
340	345	350
Tyr Ser Met Gln Ser Lys		
355		

<210> 6172

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

5384

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6172

Gln	Arg	Ile	Pro	Asp	Pro	Ala	Arg	Glu	Gly	Ser	Arg	Thr	Met	Glu	Ser
1				5				10					15		

Ser	Ser	Ser	Ser	Asn	Ser	Tyr	Phe	Ser	Val	Gly	Pro	Thr	Ser	Pro	Ser
			20					25					30		

Ala	Val	Val	Leu	Leu	Tyr	Ser	Lys	Glu	Leu	Lys	Lys	Trp	Asp	Glu	Phe
			35				40					45			

Glu	Asp	Ile	Leu	Glu	Glu	Arg	Arg	His	Val	Ser	Asp	Leu	Lys	Phe	Ala
	50					55					60				

Met	Lys	Cys	Tyr	Thr	Pro	Leu	Val	Tyr	Lys	Gly	Ile	Thr	Pro	Cys	Lys
65					70					75					80

Pro	Ile	Asp	Ile	Lys	Cys	Ser	Val	Leu	Asn	Ser	Glu	Xaa	Ile	His	Tyr
				85					90					95	

Val	Ile	Lys	Gln	Xaa	Ser	Lys	Xaa	Ser	Leu	Gln	Ser	Val	Gly	Val	Pro
			100					105					110		

Pro	Arg	Lys	Leu	Val	Gly	Phe	Arg	Trp	Asn	Gly	Ser	Gln	Xaa	Gly	Phe
		115					120					125			

Gly	Pro	Phe	Gly	Leu	Xaa	Leu	Xaa	Xaa	Ala	Ser	Phe
	130					135					140

<210> 6173

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

5385

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6173

Val	Pro	Gly	Ala	Glu	Gly	Gly	Gly	Thr	Gly	Leu	Asp	Val	Gly	Arg	Pro
1				5				10					15		

Ala	Met	Lys	Pro	Pro	Ser	Ser	Ile	Gln	Thr	Ser	Glu	Phe	Asp	Ser	Ser
			20					25					30		

Asp	Glu	Glu	Pro	Ile	Glu	Asp	Glu	Gln	Thr	Pro	Ile	His	Ile	Ser	Trp
	35						40					45			

Leu	Ser	Leu	Ser	Arg	Val	Asn	Cys	Ser	Gln	Phe	Leu	Gly	Leu	Cys	Ala
	50					55					60				

Leu	Pro	Gly	Cys	Lys	Phe	Lys	Asp	Val	Arg	Arg	Asn	Val	Gln	Lys	Asp
65					70				75						80

Thr	Glu	Glu	Leu	Lys	Ser	Cys	Gly	Ile	Gln	Asp	Ile	Phe	Val	Phe	Cys
				85					90					95	

Thr	Arg	Gly	Glu	Leu	Ser	Lys	Tyr	Arg	Val	Pro	Asn	Leu	Leu	Asp	Leu
		100						105				110			

Tyr	Gln	Gln	Cys	Gly	Ile	Ile	Thr	His	His	His	Pro	Ile	Ala	Asp	Gly
	115						120					125			

Gly	Thr	Pro	Asp	Ile	Ala	Ser	Cys	Cys	Glu	Ile	Met	Glu	Glu	Leu	Thr
	130					135					140				

Thr	Cys	Leu	Lys	Asn	Tyr	Arg	Lys	Thr	Leu	Ile	His	Cys	Tyr	Gly	Gly
145				150						155				160	

Leu	Gly	Arg	Ser	Xaa	Leu	Val	Ala	Ala	Xaa	Leu	Leu	Leu	Tyr	Leu	Ser
				165					170					175	

Asp	Thr	Ile	Ser	Pro	Glu	Gln	Ala	Ile	Asp	Ser	Leu	Arg	Asp	Leu	Arg
		180						185					190		

Gly	Ser	Gly	Ala	Ile	Gln	Thr	Ile	Lys	Gln	Tyr	Asn	Tyr	Leu	His	Glu
	195						200					205			

Phe	Arg	Asp	Lys	Leu	Ala	Ala	His	Leu	Ser	Ser	Arg	Asp	Ser	Gln	Ser
	210					215					220				

Arg	Ser	Val	Ser	Arg
225				

5386

<210> 6174

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6174

Ser Arg Leu Ser Leu Ser Arg Val Asn Cys Ser Gln Phe Leu Gly Leu
 1 5 10 15

Cys Ala Leu Pro Gly Cys Lys Phe Lys Asp Val Arg Arg Asn Val Gln
 20 25 30

Lys Asp Thr Glu Glu Leu Lys Ser Cys Gly Ile Gln Asp Ile Phe Val
 35 40 45

Phe Cys Thr Arg Gly Glu Leu Ser Lys Tyr Arg Val Pro Asn Leu Leu
 50 55 60

Asp Leu Tyr Gln Gln Cys Gly Ile Ile Thr His His His Pro Ile Ala
 65 70 75 80

Asp Gly Gly Thr Pro Asp Ile Ala Ser Cys Cys Glu Ile Met Glu Glu
 85 90 95

Leu Thr Thr Cys Leu Lys Asn Tyr Arg Lys Thr Leu Ile His Cys Tyr
 100 105 110

Gly Gly Leu Gly Arg Ser Cys Leu Val Ala Ala Cys Leu Leu Leu Tyr
 115 120 125

Leu Ser Asp Thr Ile Ser Pro Glu Gln Ala Ile Asp Ser Leu Arg Asp
 130 135 140

Leu Arg Gly Ser Gly Ala Ile Gln Thr Ile Lys Gln Tyr Asn Tyr Leu
 145 150 155 160

His Glu Phe Arg Asp Lys Leu Ala Ala His Leu Ser Ser Arg Asp Ser
 165 170 175

Gln Ser Arg Ser Val Ser Arg
 180

<210> 6175

<211> 594

<212> PRT

<213> Homo sapiens

5387

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6175

Arg	Arg	Arg	Ala	Ala	Val	Glu	Glu	Lys	Arg	Arg	Gln	Arg	Leu	Glu	Glu
1				5					10					15	

Asp	Lys	Glu	Arg	His	Glu	Ala	Val	Val	Arg	Arg	Thr	Met	Glu	Arg	Ser
			20					25					30		

Gln	Lys	Pro	Lys	Gln	Lys	His	Asn	Arg	Trp	Ser	Trp	Gly	Gly	Ser	Leu
		35					40					45			

His	Gly	Ser	Pro	Ser	Ile	His	Ser	Ala	Ala	Arg	Arg	Leu	Gln	Leu	Ser
	50					55					60				

Pro	Trp	Glu	Ser	Ser	Val	Val	Asn	Arg	Leu	Leu	Thr	Pro	Thr	His	Ser
65					70					75					80

Phe	Leu	Ala	Arg	Ser	Lys	Ser	Thr	Ala	Ala	Leu	Ser	Gly	Glu	Ala	Ala
				85					90					95	

Ser	Cys	Ser	Pro	Ile	Ile	Met	Pro	Tyr	Lys	Ala	Ala	His	Ser	Arg	Asn
			100					105					110		

Ser	Met	Asp	Arg	Pro	Lys	Leu	Phe	Val	Thr	Pro	Pro	Glu	Gly	Ser	Ser
		115					120					125			

Arg	Arg	Arg	Ile	Ile	His	Gly	Thr	Ala	Ser	Tyr	Lys	Lys	Glu	Arg	Glu
		130				135					140				

Arg	Glu	Asn	Xaa	Leu	Phe	Leu	Thr	Ser	Gly	Thr	Arg	Arg	Ala	Val	Ser
145					150					155					160

Pro	Ser	Asn	Pro	Lys	Ala	Arg	Gln	Pro	Ala	Arg	Ser	Arg	Leu	Trp	Leu
				165					170					175	

Pro	Ser	Lys	Ser	Leu	Pro	His	Leu	Pro	Gly	Thr	Pro	Arg	Pro	Thr	Ser
			180					185					190		

Ser	Leu	Pro	Pro	Gly	Ser	Val	Lys	Ala	Ala	Pro	Ala	Gln	Val	Arg	Pro
		195					200					205			

Pro	Ser	Pro	Gly	Asn	Ile	Arg	Pro	Val	Lys	Arg	Glu	Val	Lys	Val	Glu
		210				215					220				

Pro	Glu	Lys	Lys	Asp	Pro	Glu	Lys	Glu	Pro	Gln	Lys	Val	Ala	Asn	Glu
225					230					235					240

5388

Pro Ser Leu Lys Gly Arg Ala Pro Leu Val Lys Val Glu Glu Ala Thr
 245 250 255
 Val Glu Glu Arg Thr Pro Ala Glu Pro Glu Val Gly Pro Ala Ala Pro
 260 265 270
 Ala Met Ala Pro Ala Pro Ala Ser Ala Pro Ala Pro Ala Ser Ala Pro
 275 280 285
 Ala Pro Ala Pro Val Pro Thr Pro Ala Met Val Ser Ala Pro Ser Ser
 290 295 300
 Thr Val Asn Ala Ser Ala Ser Val Lys Thr Ser Ala Gly Thr Thr Asp
 305 310 315 320
 Pro Glu Glu Ala Thr Arg Leu Leu Ala Glu Lys Arg Arg Leu Ala Arg
 325 330 335
 Glu Gln Arg Glu Lys Glu Glu Arg Glu Arg Arg Glu Gln Glu Glu Leu
 340 345 350
 Glu Arg Gln Lys Arg Glu Glu Leu Ala Gln Arg Val Ala Glu Glu Arg
 355 360 365
 Thr Thr Arg Arg Glu Glu Glu Ser Arg Arg Leu Glu Ala Glu Gln Ala
 370 375 380
 Arg Glu Lys Glu Glu Gln Leu Gln Arg Gln Ala Glu Glu Arg Ala Leu
 385 390 395 400
 Arg Glu Trp Glu Glu Ala Glu Arg Ala Gln Arg Gln Lys Glu Glu Glu
 405 410 415
 Ala Arg Val Arg Glu Glu Ala Glu Arg Val Arg Gln Glu Arg Glu Lys
 420 425 430
 His Phe Gln Arg Glu Glu Gln Glu Arg Leu Glu Arg Lys Lys Arg Leu
 435 440 445
 Glu Glu Ile Met Lys Arg Thr Arg Arg Thr Glu Ala Thr Asp Lys Lys
 450 455 460
 Thr Ser Asp Gln Arg Asn Gly Asp Ile Ala Lys Gly Ala Leu Thr Gly
 465 470 475 480
 Gly Thr Glu Val Ser Ala Leu Pro Cys Thr Thr Asn Ala Pro Gly Asn
 485 490 495
 Gly Lys Pro Val Gly Ser Pro His Val Val Thr Ser His Gln Ser Lys
 500 505 510

5389

Val Thr Val Glu Ser Thr Pro Asp Leu Glu Lys Gln Pro Asn Glu Asn
 515 520 525

Gly Val Ser Val Gln Asn Glu Asn Phe Glu Glu Ile Ile Asn Leu Pro
 530 535 540

Ile Gly Ser Lys Pro Ser Arg Leu Asp Val Thr Asn Ser Glu Ser Pro
 545 550 555 560

Glu Ile Pro Leu Asn Pro Ile Leu Ala Phe Asp Asp Glu Gly Thr Leu
 565 570 575

Gly Pro Leu Pro Gln Val Asp Gly Val Gln Thr Gln Gln Thr Ala Glu
 580 585 590

Val Ile

<210> 6176

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (270)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (280)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6176

Asn Thr Cys Glu Ser Asn His Gly Leu Gly Thr Thr Pro Pro Glu Asn
 1 5 10 15

Gly Leu Ser Glu His Pro Cys Glu Thr Glu Gln Ile Asn Ala Lys Arg
 20 25 30

Lys Asp Thr Thr Ser Asp Lys Asp Asp Ser Leu Gly Ser Gln Gln Thr
 35 40 45

Asn Glu Gln Cys Ala Gln Lys Ala Glu Pro Thr Glu Ser Cys Glu Gln
 50 55 60

Ile Ala Val Gln Val Asn Asn Gly Asp Ala Gly Arg Glu Met Pro Cys
 65 70 75 80

5390

Pro Leu Pro Cys Asp Glu Glu Ser Pro Glu Ala Glu Leu His Asn His
 85 90 95
 Gly Ile Gln Ile Asn Ser Cys Ser Val Arg Leu Val Asp Ile Lys Lys
 100 105 110
 Glu Lys Pro Phe Ser Asn Ser Lys Val Glu Cys Gln Ala Gln Ala Arg
 115 120 125
 Thr His His Asn Gln Ala Ser Asp Ile Ile Val Ile Ser Ser Glu Asp
 130 135 140
 Ser Glu Gly Ser Thr Asp Val Asp Glu Pro Leu Glu Val Phe Ile Ser
 145 150 155 160
 Ala Pro Arg Ser Glu Pro Val Ile Asn Asn Asp Asn Pro Leu Glu Ser
 165 170 175
 Asn Asp Glu Lys Glu Gly Gln Glu Ala Thr Cys Ser Arg Pro Gln Ile
 180 185 190
 Val Pro Glu Pro Met Asp Phe Arg Lys Leu Ser Thr Phe Arg Glu Ser
 195 200 205
 Phe Lys Lys Arg Val Ile Gly Gln Asp His Asp Phe Ser Glu Ser Ser
 210 215 220
 Glu Glu Glu Ala Pro Ala Glu Ala Ser Ser Gly Ala Leu Arg Ser Lys
 225 230 235 240
 His Gly Glu Lys Ala Pro Met Thr Ser Arg Ser Thr Ser Thr Trp Arg
 245 250 255
 Ile Pro Ser Arg Lys Arg Arg Phe Ser Ser Ser Asp Phe Xaa Asp Leu
 260 265 270
 Ser Asn Lys Cys Leu Tyr Leu Xaa Gln Lys Leu His Ser Leu Phe Ile
 275 280 285
 Leu Lys Asp Ile Thr
 290

<210> 6177

<211> 720

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5391

<222> (693)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6177

Asp	Thr	Gly	Pro	Thr	Gly	Ile	Lys	Tyr	Asp	Leu	Asp	Arg	His	Gln	Tyr	1	5	10	15
Asn	Tyr	Val	Asp	Ala	Val	Cys	Tyr	Glu	Asn	Arg	Leu	His	Trp	Phe	Ala	20	25	30	
Lys	Tyr	Phe	Pro	Tyr	Leu	Val	Leu	Leu	His	Thr	Leu	Ile	Phe	Leu	Ala	35	40	45	
Cys	Ser	Asn	Phe	Trp	Phe	Lys	Phe	Pro	Arg	Thr	Ser	Ser	Lys	Leu	Glu	50	55	60	
His	Phe	Val	Ser	Ile	Leu	Leu	Lys	Cys	Phe	Asp	Ser	Pro	Trp	Thr	Thr	65	70	75	80
Arg	Ala	Leu	Ser	Glu	Thr	Val	Val	Glu	Glu	Ser	Asp	Pro	Lys	Pro	Ala	85	90	95	
Phe	Ser	Lys	Met	Asn	Gly	Ser	Met	Asp	Lys	Lys	Ser	Ser	Thr	Val	Ser	100	105	110	
Glu	Asp	Val	Glu	Ala	Thr	Val	Pro	Met	Leu	Gln	Arg	Thr	Lys	Ser	Arg	115	120	125	
Ile	Glu	Gln	Gly	Ile	Val	Asp	Arg	Ser	Glu	Thr	Gly	Val	Leu	Asp	Lys	130	135	140	
Lys	Glu	Gly	Glu	Gln	Ala	Lys	Ala	Leu	Phe	Glu	Lys	Val	Lys	Lys	Phe	145	150	155	160
Arg	Thr	His	Val	Glu	Glu	Gly	Asp	Ile	Val	Tyr	Arg	Leu	Tyr	Met	Arg	165	170	175	
Gln	Thr	Ile	Ile	Lys	Val	Ile	Lys	Phe	Ile	Leu	Ile	Ile	Cys	Tyr	Thr	180	185	190	
Val	Tyr	Tyr	Val	His	Asn	Ile	Lys	Phe	Asp	Val	Asp	Cys	Thr	Val	Asp	195	200	205	
Ile	Glu	Ser	Leu	Thr	Gly	Tyr	Arg	Thr	Tyr	Arg	Cys	Ala	His	Pro	Leu	210	215	220	
Ala	Thr	Leu	Phe	Lys	Ile	Leu	Ala	Ser	Phe	Tyr	Ile	Ser	Leu	Val	Ile	225	230	235	240
Phe	Tyr	Gly	Leu	Ile	Cys	Met	Tyr	Thr	Leu	Trp	Trp	Met	Leu	Arg	Arg	245	250	255	

5392

Ser Leu Lys Lys Tyr Ser Phe Glu Ser Ile Arg Glu Glu Ser Ser Tyr
 260 265 270

Ser Asp Ile Pro Asp Val Lys Asn Asp Phe Ala Phe Met Leu His Leu
 275 280 285

Ile Asp Gln Tyr Asp Pro Leu Tyr Ser Lys Arg Phe Ala Val Phe Leu
 290 295 300

Ser Glu Val Ser Glu Asn Lys Leu Arg Gln Leu Asn Leu Asn Asn Glu
 305 310 315 320

Trp Thr Leu Asp Lys Leu Arg Gln Arg Leu Thr Lys Asn Ala Gln Asp
 325 330 335

Lys Leu Glu Leu His Leu Phe Met Leu Ser Gly Ile Pro Asp Thr Val
 340 345 350

Phe Asp Leu Val Glu Leu Glu Val Leu Lys Leu Glu Leu Ile Pro Asp
 355 360 365

Val Thr Ile Pro Pro Ser Ile Ala Gln Leu Thr Gly Leu Lys Glu Leu
 370 375 380

Trp Leu Tyr His Thr Ala Ala Lys Ile Glu Ala Pro Ala Leu Ala Phe
 385 390 395 400

Leu Arg Glu Asn Leu Arg Ala Leu His Ile Lys Phe Thr Asp Ile Lys
 405 410 415

Glu Ile Pro Leu Trp Ile Tyr Ser Leu Lys Thr Leu Glu Glu Leu His
 420 425 430

Leu Thr Gly Asn Leu Ser Ala Glu Asn Asn Arg Tyr Ile Val Ile Asp
 435 440 445

Gly Leu Arg Glu Leu Lys Arg Leu Lys Val Leu Arg Leu Lys Ser Asn
 450 455 460

Leu Ser Lys Leu Pro Gln Val Val Thr Asp Val Gly Val His Leu Gln
 465 470 475 480

Lys Leu Ser Ile Asn Asn Glu Gly Thr Lys Leu Ile Val Leu Asn Ser
 485 490 495

Leu Lys Lys Met Ala Asn Leu Thr Glu Leu Glu Leu Ile Arg Cys Asp
 500 505 510

Leu Glu Arg Ile Pro His Ser Ile Phe Ser Leu His Asn Leu Gln Glu
 515 520 525

5393

Ile Asp Leu Lys Asp Asn Asn Leu Lys Thr Ile Glu Glu Ile Ile Ser
 530 535 540
 Phe Gln His Leu His Arg Leu Thr Cys Leu Lys Leu Trp Tyr Asn His
 545 550 555 560
 Ile Ala Tyr Ile Pro Ile Gln Ile Gly Asn Leu Thr Asn Leu Glu Arg
 565 570 575
 Leu Tyr Leu Asn Arg Asn Lys Ile Glu Lys Ile Pro Thr Gln Leu Phe
 580 585 590
 Tyr Cys Arg Lys Leu Arg Tyr Leu Asp Leu Ser His Asn Asn Leu Thr
 595 600 605
 Phe Leu Pro Ala Asp Ile Gly Leu Leu Gln Asn Leu Gln Asn Leu Ala
 610 615 620
 Ile Thr Ala Asn Arg Ile Glu Thr Leu Pro Pro Glu Leu Phe Gln Cys
 625 630 635 640
 Arg Lys Leu Arg Ala Leu His Leu Gly Asn Asn Val Leu Gln Ser Leu
 645 650 655
 Pro Ser Arg Val Gly Glu Leu Thr Asn Leu Thr Gln Ile Glu Leu Arg
 660 665 670
 Gly Asn Arg Leu Glu Cys Leu Pro Val Glu Leu Gly Glu Cys Pro Leu
 675 680 685
 Leu Lys Arg Ser Xaa Leu Val Val Glu Glu Asp Leu Phe Asn Thr Leu
 690 695 700
 Pro Pro Glu Val Lys Glu Arg Leu Trp Arg Ala Asp Lys Glu Gln Ala
 705 710 715 720

<210> 6178

<211> 27

<212> PRT

<213> Homo sapiens

<400> 6178

Val Ser Gly Asp Tyr Gly His Pro Val Tyr Ile Val Gln Asp Gly Pro
 1 5 10 15

5394

Pro Gln Ser Pro Pro Asn Ile Tyr Tyr Lys Val
20 25

<210> 6179

<211> 154

<212> PRT

<213> Homo sapiens

<400> 6179

Asp Leu Cys Arg Leu Ser Cys Gly Arg Lys Met Pro Lys Val Lys Arg
1 5 10 15

Ser Arg Lys Ala Pro Pro Asp Gly Trp Glu Leu Ile Glu Pro Thr Leu
20 25 30

Asp Glu Leu Asp Gln Lys Met Arg Glu Ala Glu Thr Glu Pro His Glu
35 40 45

Gly Lys Arg Lys Val Glu Ser Leu Trp Pro Ile Phe Arg Ile His His
50 55 60

Gln Lys Thr Arg Tyr Ile Phe Asp Leu Phe Tyr Lys Arg Lys Ala Ile
65 70 75 80

Ser Arg Glu Leu Tyr Glu Tyr Cys Ile Lys Glu Gly Tyr Ala Asp Lys
85 90 95

Asn Leu Ile Ala Lys Trp Lys Lys Gln Gly Tyr Glu Asn Leu Cys Cys
100 105 110

Leu Arg Cys Ile Gln Thr Arg Asp Thr Asn Phe Gly Thr Asn Cys Ile
115 120 125

Cys Arg Val Pro Lys Ser Lys Leu Glu Val Gly Arg Ile Ile Glu Cys
130 135 140

Thr His Cys Gly Cys Arg Gly Cys Ser Gly
145 150

<210> 6180

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

5395

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6180

Leu	Glu	Gln	Glu	Leu	Gly	Asp	Gly	Trp	Gly	His	Ser	Asp	Leu	His	Lys	1	5	10	15
Ala	Leu	Leu	Cys	Arg	Xaa	Pro	Pro	Leu	Pro	Glu	Pro	Asp	Ala	Met	Ser	20	25	30	
Ser	Lys	Gly	Ser	Val	Val	Leu	Ala	Tyr	Ser	Gly	Gly	Leu	Asp	Thr	Ser	35	40	45	
Cys	Ile	Leu	Val	Trp	Leu	Lys	Glu	Gln	Gly	Tyr	Asp	Val	Ile	Ala	Tyr	50	55	60	
Leu	Ala	Asn	Ile	Gly	Gln	Lys	Glu	Asp	Phe	Glu	Glu	Ala	Arg	Lys	Lys	65	70	75	80
Ala	Leu	Lys	Leu	Gly	Ala	Lys	Lys	Val	Phe	Ile	Glu	Asp	Val	Ser	Arg	85	90	95	
Glu	Phe	Val	Glu	Glu	Phe	Ile	Trp	Pro	Ala	Ile	Gln	Ser	Ser	Ala	Leu	100	105	110	
Tyr	Glu	Asp	Arg	Tyr	Leu	Leu	Gly	Thr	Ser	Leu	Ala	Arg	Pro	Cys	Ile	115	120	125	
Ala	Arg	Lys	Gln	Val	Glu	Ile	Ala	Gln	Arg	Glu	Gly	Ala	Lys	Tyr	Val	130	135	140	
Ser	His	Gly	Ala	Thr	Gly	Lys	Gly	Asn	Asp	Gln	Val	Arg	Phe	Glu	Leu	145	150	155	160
Ser	Cys	Tyr	Ser	Leu	Ala	Pro	Gln	Ile	Lys	Val	Ile	Ala	Pro	Trp	Arg	165	170	175	
Met	Pro	Glu	Phe	Tyr	Asn	Arg	Phe	Lys	Gly	Arg	Asn	Asp	Leu	Met	Glu	180	185	190	
Tyr	Ala	Lys	Gln	His	Gly	Ile	Pro	Ile	Pro	Val	Thr	Pro	Lys	Asn	Pro	195	200	205	
Trp	Ser	Met	Asp	Glu	Asn	Leu	Met	His	Ile	Ser	Tyr	Glu	Ala	Gly	Ile	210	215	220	
Leu	Glu	Asn	Pro	Lys	Asn	Gln	Ala	Pro	Pro	Gly	Leu	Tyr	Thr	Lys	Thr	225	230	235	240
Gln	Asp	Pro	Ala	Lys	Ala	Pro	Asn	Thr	Pro	Asp	Ile	Leu	Glu	Ile	Glu	245	250	255	

5396

Phe Lys Lys Gly Val Pro Val Lys Val Thr Asn Val Lys Asp Gly Thr
 260 265 270
 Thr His Gln Thr Ser Leu Glu Leu Phe Met Tyr Leu Asn Glu Val Ala
 275 280 285
 Gly Lys His Gly Val Gly Arg Ile Asp Ile Val Glu Asn Arg Phe Ile
 290 295 300
 Gly Met Lys Ser Arg Gly Ile Tyr Glu Thr Pro Ala Gly Thr Ile Leu
 305 310 315 320
 Tyr His Ala His Leu Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val
 325 330 335
 Arg Lys Ile Lys Gln Gly Leu Gly Leu Lys Phe Ala Glu Leu Val Tyr
 340 345 350
 Thr Gly Phe Trp His Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile
 355 360 365
 Ala Lys Ser Gln Glu Arg Val Glu Gly Lys Val Gln Val Ser Val Leu
 370 375 380
 Lys Gly Gln Val Tyr Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr
 385 390 395 400
 Asn Glu Glu Leu Val Ser Met Asn Val Gln Gly Asp Tyr Glu Pro Thr
 405 410 415
 Asp Ala Thr Gly Phe Ile Asn Ile Asn Ser Leu Arg Leu Lys Glu Tyr
 420 425 430
 His Arg Leu Gln Ser Lys Val Thr Ala Lys
 435 440

<210> 6181

<211> 155

<212> PRT

<213> Homo sapiens

<400> 6181

Asp Ser Tyr Phe Asp Arg Ile Cys Ser His Ser Ser Cys Lys Leu Gln
 1 5 10 15

Met Tyr Lys Leu His Leu Tyr Phe Tyr Arg Val Val Met Phe Tyr Met
 20 25 30

Cys Met Val Gln Glu Lys Ile Gly Ser Asn Gln Ser Ala Val Asp Val

5397

35	40	45
Pro Lys Cys Lys His Arg His Thr His Ala His Thr His Lys His Thr		
50	55	60
His Ser Ala Leu Arg Lys Gly Gln Val Ile Ser His Pro Asn Phe Thr		
65	70	75
Ser Thr Asp Pro Leu Ala Pro Thr Pro Ala Ser Thr Val Thr Ser Lys		
85	90	95
Ala Arg Ala Thr Cys Ala His Gln Thr Cys Ile Lys Gln Leu Ala Gly		
100	105	110
Asp Gly Cys Gly Ala Gly Gly Leu Ser Asp Gly Ser Leu Leu Leu Pro		
115	120	125
Leu Leu Arg Val Lys Leu Leu Ser Phe Leu Arg Val Tyr Leu Cys Gln		
130	135	140
Val Cys Ala Phe Asn Cys Phe Tyr Phe Val Phe		
145	150	155

<210> 6182

<211> 401

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (309)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (311)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (377)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6182

Asn Ile Lys Lys Arg Asp Glu Glu Leu Thr Glu Lys Met Lys Lys Ala
1 5 10 15

Glu Glu Glu Tyr Lys Leu Glu Lys Glu Glu Glu Ile Ser Asn Leu Lys
20 25 30

Ala	Ala	Phe	Glu	Lys	Asn	Ile	Asn	Thr	Glu	Arg	Thr	Leu	Lys	Thr	Gln	
35						40						45				
Ala	Val	Asn	Lys	Leu	Ala	Glu	Ile	Met	Asn	Arg	Lys	Asp	Phe	Lys	Ile	
50						55						60				
Asp	Arg	Lys	Lys	Ala	Asn	Thr	Gln	Asp	Leu	Arg	Lys	Lys	Glu	Lys	Glu	
65						70						75				
Asn	Arg	Lys	Leu	Gln	Leu	Glu	Leu	Asn	Gln	Glu	Arg	Glu	Lys	Phe	Asn	
			85						90						95	
Gln	Met	Val	Val	Lys	His	Gln	Lys	Glu	Leu	Asn	Asp	Met	Gln	Ala	Gln	
			100						105						110	
Leu	Val	Glu	Glu	Cys	Ala	His	Arg	Asn	Glu	Leu	Gln	Met	Gln	Leu	Ala	
115						120						125				
Ser	Lys	Glu	Ser	Asp	Ile	Glu	Gln	Leu	Arg	Ala	Lys	Leu	Leu	Asp	Leu	
130						135						140				
Ser	Asp	Ser	Thr	Ser	Val	Ala	Ser	Phe	Pro	Ser	Ala	Asp	Glu	Thr	Asp	
145						150						155			160	
Gly	Asn	Leu	Pro	Glu	Ser	Arg	Ile	Glu	Gly	Trp	Leu	Ser	Val	Pro	Asn	
			165						170						175	
Arg	Gly	Asn	Ile	Lys	Arg	Tyr	Gly	Trp	Lys	Lys	Gln	Tyr	Val	Val	Val	
			180						185						190	
Ser	Ser	Lys	Lys	Ile	Leu	Phe	Tyr	Asn	Asp	Glu	Gln	Asp	Lys	Glu	Gln	
195						200						205				
Ser	Asn	Pro	Ser	Met	Val	Leu	Asp	Ile	Asp	Lys	Leu	Phe	His	Val	Arg	
210						215						220				
Pro	Val	Thr	Gln	Gly	Asp	Val	Tyr	Arg	Ala	Glu	Thr	Glu	Glu	Ile	Pro	
225						230						235			240	
Lys	Ile	Phe	Gln	Ile	Leu	Tyr	Ala	Asn	Glu	Gly	Glu	Cys	Arg	Lys	Asp	
			245						250						255	
Val	Glu	Met	Glu	Pro	Val	Gln	Gln	Ala	Glu	Lys	Thr	Asn	Phe	Gln	Asn	
			260						265						270	
His	Lys	Gly	His	Glu	Phe	Ile	Pro	Thr	Leu	Tyr	His	Phe	Pro	Ala	Asn	
275						280						285				
Cys	Asp	Ala	Cys	Ala	Lys	Pro	Leu	Trp	His	Val	Phe	Lys	Pro	Pro	Pro	
290						295						300				

5399

Ala Leu Glu Cys Xaa Arg Xaa His Val Lys Cys His Arg Asp His Leu
 305 310 315 320

Asp Lys Lys Glu Asp Leu Ile Cys Pro Cys Lys Val Ser Tyr Asp Val
 325 330 335

Thr Ser Ala Arg Asp Met Leu Leu Leu Ala Cys Ser Gln Asp Glu Gln
 340 345 350

Lys Lys Trp Val Thr His Leu Val Lys Lys Ile Pro Lys Asn Pro Pro
 355 360 365

Ser Gly Phe Val Arg Ala Ser Pro Xaa Thr Leu Ser Thr Arg Ser Thr
 370 375 380

Ala Asn Gln Ser Phe Arg Lys Val Val Lys Asn Thr Ser Gly Lys Thr
 385 390 395 400

Ser

<210> 6183

<211> 337

<212> PRT

<213> Homo sapiens

<400> 6183

Gln Ser Arg Ser Asp Ser Arg Val Asp Pro Arg Val Arg Gly Pro Pro
 1 5 10 15

Gly Pro Val Gly Pro Ser Gly Lys Glu Gly Asn Pro Gly Pro Leu Gly
 20 25 30

Pro Ile Gly Pro Pro Gly Val Arg Gly Ser Val Gly Glu Ala Gly Pro
 35 40 45

Glu Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
 50 55 60

Gly His Leu Thr Ala Ala Leu Gly Asp Ile Met Gly His Tyr Asp Glu
 65 70 75 80

Ser Met Pro Asp Pro Leu Pro Glu Phe Thr Glu Asp Gln Ala Ala Pro
 85 90 95

Asp Asp Lys Asn Lys Thr Asp Pro Gly Val His Ala Thr Leu Lys Ser
 100 105 110

5400

```

Leu Ser Ser Gln Ile Glu Thr Met Arg Ser Pro Asp Gly Ser Lys Lys
    115                      120                      125

His Pro Ala Arg Thr Cys Asp Asp Leu Lys Leu Cys His Ser Ala Lys
    130                      135                      140

Gln Ser Gly Glu Tyr Trp Ile Asp Pro Asn Gln Gly Ser Val Glu Asp
145                      150                      155                      160

Ala Ile Lys Val Tyr Cys Asn Met Glu Thr Gly Glu Thr Cys Ile Ser
                      165                      170                      175

Ala Asn Pro Ser Ser Val Pro Arg Lys Thr Trp Trp Ala Ser Lys Ser
                      180                      185                      190

Pro Asp Asn Lys Pro Val Trp Tyr Gly Leu Asp Met Asn Arg Gly Ser
    195                      200                      205

Gln Phe Ala Tyr Gly Asp His Gln Ser Pro Asn Thr Ala Ile Thr Gln
    210                      215                      220

Met Thr Phe Leu Arg Leu Leu Ser Lys Glu Ala Ser Gln Asn Ile Thr
225                      230                      235                      240

Tyr Ile Cys Lys Asn Ser Val Gly Tyr Met Asp Asp Gln Ala Lys Asn
                      245                      250                      255

Leu Lys Lys Ala Val Val Leu Lys Gly Ala Asn Asp Leu Asp Ile Lys
                      260                      265                      270

Ala Glu Gly Asn Ile Arg Phe Arg Tyr Ile Val Leu Gln Asp Thr Cys
                      275                      280                      285

Ser Lys Arg Asn Gly Asn Val Gly Lys Thr Val Phe Glu Tyr Arg Thr
    290                      295                      300

Gln Asn Val Ala Arg Leu Pro Ile Ile Asp Leu Ala Pro Val Asp Val
305                      310                      315                      320

Gly Gly Thr Asp Gln Glu Phe Gly Val Glu Ile Gly Pro Val Cys Phe
                      325                      330                      335

Val

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<210> 6184

<211> 104

<212> PRT

<213> Homo sapiens

5401

<400> 6184

```

Leu His Cys Phe Tyr Ser Gly Leu Gly Phe Arg Lys Thr Gly Thr Val
 1             5             10             15

Leu Ser Val His Arg Asn Thr Cys Gln Cys Gln Gly Phe Gln Ser Gly
      20             25             30

Val Tyr Pro Asn Trp Ser Gly Arg Glu Gly Gln Thr His Ser Gln Arg
      35             40             45

Pro Pro Cys Pro Arg Ser Asp Ser Ser Pro Leu Ala Ala Pro Thr Gly
      50             55             60

Ala Leu Gly Trp Ser Gly Ser Trp Gly Ser Val Pro Leu Ile Ala Gly
 65             70             75             80

Leu Cys Ser Pro Gly Phe Gly Ile Tyr Val Gly Thr Thr Pro Gly Leu
      85             90             95

Leu Ser Lys Gly Leu Trp Leu Leu
      100

```

<210> 6185

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6185

```

Gly Leu Thr Trp Ala Phe Arg Tyr Arg Pro Ala Gly Ile Ile Val Met
 1             5             10             15

Ala Leu Leu Gly Met Phe Asn Val His Arg His Gly Ala Ile Asn Ser
      20             25             30

Ala Ala Ile Leu Leu Tyr Ala Leu Thr Cys Cys Ile Ser Gly Tyr Val
      35             40             45

Ser Ser His Phe Tyr Arg Gln Ile Gly Gly Glu Arg Trp Val Trp Glu
      50             55             60

His His Ser His His Gln Ser Leu Leu Trp
 65             70

```

<210> 6186

<211> 134

<212> PRT

5402

<213> Homo sapiens

<400> 6186

```

Thr Leu Leu Glu Ala Leu Thr Val Ala Val Val Val Thr Phe Tyr Asp
 1             5             10             15

Val Tyr Ile Ile Leu Gln Ala Phe Ile Leu Thr Thr Thr Val Phe Phe
          20             25             30

Gly Leu Thr Val Tyr Thr Leu Gln Ser Lys Lys Asp Phe Ser Lys Phe
          35             40             45

Gly Ala Gly Leu Phe Ala Leu Leu Trp Ile Leu Cys Leu Ser Gly Phe
          50             55             60

Leu Lys Phe Phe Phe Tyr Ser Glu Ile Met Glu Leu Val Leu Ala Ala
 65             70             75             80

Ala Gly Ala Leu Leu Phe Cys Gly Phe Ile Ile Tyr Asp Thr His Ser
          85             90             95

Leu Met His Lys Leu Ser Pro Glu Glu Tyr Val Leu Ala Ala Ile Ser
          100            105            110

Leu Tyr Leu Asp Ile Ile Asn Leu Phe Leu His Leu Leu Arg Phe Leu
          115            120            125

Glu Ala Val Asn Lys Lys
          130

```

<210> 6187

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6187

```

Asp Tyr Ala Xaa Thr Pro Gln Gly Leu Cys Tyr Asp Val Ala Cys Thr
 1             5             10             15

Arg Lys Leu Gly Pro Leu Glu Gly Ser Ser Arg Ala Ala Ala Ala
          20             25             30

Phe Gly Glu Ser Ala Gly Gln Met Ser Asn Glu Arg Gly Phe Glu Asn
          35             40             45

```

5403

Val Glu Leu Gly Val Ile Gly Lys Lys Lys Lys Val Pro Arg Arg Val
 50 55 60
 Ile His Phe Val Ser Gly Glu Thr Met Glu Glu Tyr Ser Thr Asp Glu
 65 70 75 80
 Asp Glu Val Asp Gly Leu Glu Lys Lys Asp Val Leu Pro Thr Val Asp
 85 90 95
 Pro Thr Lys Leu Thr Trp Gly Pro Tyr Leu Trp Phe Tyr Met Leu Arg
 100 105 110
 Ala Ala Thr Ser Thr Leu Ser Val Cys Asp Phe Leu Gly Glu Lys Ile
 115 120 125
 Ala Ser Val Leu Gly Ile Ser Thr Pro Lys Tyr Gln Tyr Ala Ile Asp
 130 135 140
 Glu Tyr Tyr Arg Met Lys Lys Glu Glu Glu Glu Glu Glu Glu Asn
 145 150 155 160
 Arg Met Ser Glu Glu Ala Glu Lys Gln Tyr Gln Gln Asn Lys Leu Gln
 165 170 175
 Thr Asp Ser Ile Val Gln Thr Asp Gln Pro Glu Thr Val Ile Ser Ser
 180 185 190
 Ser Phe Val Asn Val Asn Phe Glu Met Glu Gly Asp Ser Glu Val Ile
 195 200 205
 Met Glu Ser Lys Gln Asn Pro Val Ser Val Pro Pro
 210 215 220

<210> 6188

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

5404

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6188
 Glu Arg Cys Gly Xaa Xaa Arg Glu Ala Gln Glu Gly Asp Leu Gln Gly
 1 5 10 15

Gln Glu Gly Ala Glu Ala Ser His Ala Gly Gly Pro Ala Ala Asp His
 20 25 30

Tyr Ser Gly Xaa Ala His Xaa Gly Arg Gly Arg Ala Leu Asp Arg Gly
 35 40 45

Val Cys Val Arg Gly His Ala Pro His His His Arg Val Ser Pro Ala
 50 55 60

Xaa Gly Arg Gly Pro His Arg Gln Gly Glu Glu Cys Ser Gly Gly Gly
 65 70 75 80

Arg Lys Gln Lys Met Ala Phe Ile Phe Arg Asp Val His Val Ala Glu
 85 90 95

Leu Leu Ser Xaa Xaa His Xaa
 100

5405

<210> 6189

<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6189

Lys	Phe	Trp	Leu	Gln	Lys	Xaa	His	Phe	Leu	Cys	Ala	Asn	Lys	Asn	Val
1				5					10					15	

Cys	Ile	Lys	Tyr	Asp	Val	Pro	Pro	Thr	Trp	Thr	His	Ser	Val	Pro	His
			20					25					30		

Lys	Ala	Lys	Pro	Thr	Ala	Ala	Ala	Thr	Ser	Leu	Gly	Leu	Arg	Cys	Ser
		35					40					45			

Arg	Cys	Phe	Phe	Gln	Asp	Arg	Asn	Gln	Asn	Val	Arg	Asn	Thr	Ala	Glu
	50					55					60				

Arg	Gly	His	Leu	Glu	Thr	Lys	Arg	Arg	Met	Arg	Ser	Ser	Ala	Glu	Val
65					70					75				80	

Thr	Gly	Lys	Ser	Gln	Asn	Ser	Asn	Thr	Leu	Ala	Gly	Ala	Trp	Gly	Val
				85					90					95	

Lys	Asn	Arg	Arg	Arg	Glu	Glu	Ala	Phe	Pro	Ser	Leu	Gln	Arg	Arg	Asn
		100						105					110		

Gln	Gly	Gln	Pro	Lys	Leu	Pro	Gly	Ser	Gln	Asn	Gln	Phe	Phe	Tyr	Gln
		115					120					125			

Ala	Val	Pro	Leu	Leu	Ser	Phe	Gln	Leu	Leu	Ala	Thr	Gly	Arg	Cys	Cys
	130					135					140				

Ser	Lys	Gly	Phe	Ala	Leu	Arg	Leu	Gln	Glu	Glu	Ala	Ala	Gly	Arg	Thr
145					150					155				160	

Ala	Gly	Val	Leu	Gly	Phe
				165	

<210> 6190

<211> 90

5406

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6190

Ser	Leu	Gln	Val	Glu	Lys	Pro	Leu	Tyr	Pro	Phe	Asn	Pro	Leu	Trp	Pro
1				5				10					15		

Ser	Phe	Pro	Xaa	Xaa	Val	Asp	Ala	Thr	Arg	Glu	Thr	Asn	Arg	Leu	Gly
			20					25					30		

Arg	Leu	Ile	Asn	His	Ser	Lys	Cys	Gly	Asn	Cys	Gln	Thr	Lys	Leu	His
		35					40					45			

Asp	Ile	Asp	Gly	Val	Pro	His	Leu	Ile	Leu	Ile	Ala	Ser	Arg	Asp	Ile
	50					55					60				

Ala	Ala	Gly	Glu	Glu	Leu	Leu	Tyr	Asp	Tyr	Gly	Asp	Arg	Ser	Lys	Ala
65					70					75					80

Ser	Ile	Glu	Ala	His	Pro	Trp	Leu	Lys	His
				85				90	

<210> 6191

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6191

Tyr	Lys	Met	Thr	Glu	Pro	Gly	Ala	Ser	Pro	Glu	Asp	Pro	Trp	Val	Lys
1				5					10					15	

Val	Glu	Tyr	Ala	Tyr	Ser	Asp	Asn	Ser	Leu	Asp	Pro	Gly	Leu	Phe	Val
			20					25					30		

Glu	Ser	Thr	Arg	Lys	Gly	Ser	Val	Val	Ser	Arg	Ala	Asn	Ser	Ile	Gly
		35					40					45			

Ser	Thr	Ser	Ala	Ser	Ser	Val	Pro	Asn	Thr	Asp	Asp	Glu	Asp	Ser	Asp
	50					55					60				

5407

Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg Arg Arg
65 70 75 80

Ala His Thr Gln Ala Glu Gln Lys Arg Arg Asp Ala Ile Lys Arg Gly
85 90 95

Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln Gln Asp Phe
100 105 110

Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Leu Gln Lys Thr
115 120 125

Ile Asp Tyr Ile Gln Phe Leu His Lys Glu Lys Lys Lys Gln Glu Glu
130 135 140

Glu Val Ser Arg Tyr Ala Arg Met Tyr Arg Pro Lys Asp His Glu Ser
145 150 155 160

Glu Leu

<210> 6192

<211> 350

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5408

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6192

Gly	Thr	Ser	Gly	Cys	Trp	Leu	Leu	Leu	Val	Leu	Val	Leu	Val	Leu	Leu
1				5					10					15	

Val	Ser	Pro	Arg	Gly	Cys	Arg	Ala	Arg	Arg	Gly	Leu	Arg	Gly	Leu	Leu
			20					25					30		

Met	Ala	His	Ser	Gln	Arg	Leu	Leu	Phe	Arg	Ile	Gly	Tyr	Ser	Leu	Tyr
		35					40					45			

Thr	Arg	Thr	Trp	Leu	Gly	Tyr	Leu	Phe	Tyr	Arg	Gln	Gln	Leu	Arg	Arg
	50					55					60				

Ala	Arg	Asn	Arg	Tyr	Pro	Lys	Gly	His	Ser	Lys	Thr	Gln	Pro	Arg	Leu
65						70				75					80

Phe	Asn	Gly	Val	Lys	Val	Leu	Pro	Ile	Pro	Val	Leu	Ser	Asp	Asn	Tyr
				85					90					95	

Ser	Tyr	Leu	Ile	Ile	Asp	Thr	Gln	Ala	Gln	Leu	Ala	Val	Ala	Val	Asp
		100						105					110		

Pro	Ser	Asp	Pro	Arg	Ala	Val	Gln	Ala	Ser	Ile	Glu	Lys	Xaa	Gly	Val
		115					120					125			

Thr	Leu	Val	Ala	Ile	Leu	Xaa	Thr	His	Lys	His	Trp	Xaa	His	Xaa	Gly
	130					135					140				

Xaa	Asn	Arg	Xaa	Leu	Xaa	Arg	Gly	His	Arg	Asp	Cys	Arg	Val	Tyr	Gly
145					150					155					160

Ser	Pro	Gln	Asp	Gly	Ile	Pro	Tyr	Leu	Thr	His	Pro	Leu	Cys	His	Gln
				165					170					175	

Asp	Val	Val	Ser	Val	Gly	Arg	Leu	Gln	Ile	Arg	Ala	Leu	Ala	Thr	Pro
			180					185					190		

Gly	His	Thr	Gln	Gly	His	Leu	Val	Tyr	Leu	Leu	Asp	Gly	Glu	Pro	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5409

195					200					205					
Lys	Gly	Pro	Ser	Cys	Leu	Phe	Ser	Gly	Asp	Leu	Leu	Phe	Leu	Ser	Gly
210					215					220					
Cys	Gly	Arg	Thr	Phe	Glu	Gly	Asn	Ala	Glu	Thr	Met	Leu	Ser	Ser	Leu
225					230					235					240
Asp	Thr	Val	Leu	Gly	Leu	Gly	Asp	Asp	Thr	Leu	Leu	Trp	Pro	Gly	His
				245					250					255	
Glu	Tyr	Ala	Glu	Glu	Asn	Leu	Gly	Phe	Ala	Gly	Val	Val	Glu	Pro	Glu
			260					265					270		
Asn	Leu	Ala	Arg	Glu	Arg	Lys	Met	Gln	Trp	Val	Gln	Arg	Gln	Arg	Leu
			275				280					285			
Glu	Arg	Lys	Gly	Thr	Cys	Pro	Ser	Thr	Leu	Gly	Glu	Glu	Arg	Ser	Tyr
			290				295				300				
Asn	Pro	Phe	Leu	Arg	Thr	His	Cys	Leu	Ala	Leu	Gln	Glu	Ala	Leu	Gly
305					310					315					320
Pro	Gly	Pro	Gly	Pro	Thr	Gly	Asp	Asp	Asp	Tyr	Ser	Arg	Ala	Gln	Leu
				325					330					335	
Leu	Glu	Glu	Leu	Arg	Arg	Leu	Lys	Asp	Met	His	Lys	Ser	Lys		
			340					345					350		

<210> 6193

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6193

Ile	Ser	Tyr	Ser	Arg	Trp	Lys	Thr	Leu	His	Thr	Val	Leu	Pro	Gln	Xaa
1						5				10				15	

Ile Arg Xaa Leu Leu Phe Cys Leu Leu Gln Lys Asp Pro Cys Pro Val

			20				25				30					
Ala	Glu	Arg	Gly	Asn	Asp	Lys	Asp	Phe	Thr	Leu	Asn	Asp	Phe	Gly	Phe	
35							40						45			
Met	Ile	Phe	His	Ser	Pro	Tyr	Cys	Lys	Leu	Val	Gln	Lys	Ser	Leu	Ala	
50							55						60			
Arg	Met	Leu	Leu	Asn	Asp	Phe	Leu	Asn	Asp	Gln	Asn	Arg	Asp	Lys	Asn	
65							70						75		80	
Ser	Ile	Tyr	Ser	Gly	Leu	Glu	Ala	Phe	Gly	Asp	Val	Lys	Leu	Glu	Asp	
			85								90					
Thr	Tyr	Phe	Asp	Arg	Asp	Val	Glu	Lys	Ala	Phe	Met	Lys	Ala	Ser	Ser	
			100								105					
Glu	Leu	Phe	Ser	Gln	Lys	Thr	Lys	Ala	Ser	Leu	Leu	Val	Ser	Asn	Gln	
115							120						125			
Asn	Gly	Asn	Met	Tyr	Thr	Ser	Ser	Val	Tyr	Gly	Ser	Leu	Ala	Ser	Val	
130							135						140			
Leu	Ala	Gln	Tyr	Ser	Pro	Gln	Gln	Leu	Ala	Gly	Lys	Arg	Ile	Gly	Val	
145							150						155		160	
Phe	Ser	Tyr	Gly	Ser	Gly	Leu	Ala	Ala	Thr	Leu	Tyr	Ser	Leu	Lys	Val	
			165								170					
Thr	Gln	Asp	Ala	Thr	Pro	Gly	Ser	Ala	Leu	Asp	Lys	Ile	Thr	Ala	Ser	
			180								185					
Leu	Cys	Asp	Leu	Lys	Ser	Lys	Ala									
195							200									

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<210> 6194
<211> 113
<212> PRT
<213> Homo sapiens
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<400> 6194

Glu Glu Leu Arg Glu Ser Ala Ala Ala Gly Ser Ala Asp Ala Met Asp
 1 5 10 15
 Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe Ser Val Lys
 20 25 30
 Gly His Val Lys Met Leu Arg Leu Asp Ile Ile Asn Ser Leu Val Thr
 35 40 45

5411

Thr Val Phe Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr
 50 55 60

Thr Thr Leu Thr Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val
 65 70 75 80

Cys Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn
 85 90 95

Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu Val
 100 105 110

Leu

<210> 6195

<211> 480

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (392)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6195

Ser Asp Lys Trp Pro Thr Ala Val Arg Ala Asn Gly His Leu Leu Leu
 1 5 10 15

Asn Ser Glu Lys Met Ser Lys Ser Thr Gly Asn Phe Leu Thr Leu Thr
 20 25 30

Gln Ala Ile Asp Lys Phe Ser Ala Asp Gly Met Arg Leu Ala Leu Ala
 35 40 45

Asp Ala Gly Asp Thr Val Glu Asp Ala Asn Phe Val Glu Ala Met Ala
 50 55 60

Asp Ala Gly Ile Leu Arg Leu Tyr Thr Trp Val Glu Trp Val Lys Glu
 65 70 75 80

Met Val Ala Asn Trp Asp Ser Leu Arg Ser Gly Pro Ala Ser Thr Phe
 85 90 95

5412

Asn	Asp	Arg	Val	Phe	Ala	Ser	Glu	Leu	Asn	Ala	Gly	Ile	Ile	Lys	Thr	100	105	110
Asp	Gln	Asn	Tyr	Glu	Lys	Met	Met	Phe	Lys	Glu	Ala	Leu	Lys	Thr	Gly	115	120	125
Phe	Phe	Glu	Phe	Gln	Ala	Ala	Lys	Asp	Lys	Tyr	Arg	Glu	Leu	Ala	Val	130	135	140
Glu	Gly	Met	His	Arg	Glu	Leu	Val	Phe	Arg	Phe	Ile	Glu	Val	Gln	Thr	145	150	155
Leu	Leu	Leu	Ala	Pro	Phe	Cys	Pro	His	Leu	Cys	Glu	His	Ile	Trp	Thr	165	170	175
Leu	Leu	Gly	Lys	Pro	Asp	Ser	Ile	Met	Asn	Ala	Ser	Trp	Pro	Val	Ala	180	185	190
Gly	Pro	Val	Xaa	Glu	Val	Leu	Ile	His	Ser	Ser	Gln	Tyr	Leu	Met	Glu	195	200	205
Val	Thr	His	Asp	Leu	Arg	Leu	Arg	Leu	Lys	Asn	Tyr	Met	Met	Pro	Ala	210	215	220
Lys	Gly	Lys	Lys	Thr	Asp	Lys	Gln	Pro	Leu	Gln	Lys	Pro	Ser	His	Cys	225	230	235
Thr	Ile	Tyr	Val	Ala	Lys	Asn	Tyr	Pro	Pro	Trp	Gln	His	Thr	Thr	Leu	245	250	255
Ser	Val	Leu	Arg	Lys	His	Phe	Glu	Ala	Asn	Asn	Gly	Lys	Leu	Pro	Asp	260	265	270
Asn	Lys	Val	Ile	Ala	Ser	Glu	Leu	Gly	Ser	Met	Pro	Glu	Leu	Lys	Lys	275	280	285
Tyr	Met	Lys	Lys	Val	Met	Pro	Phe	Val	Ala	Met	Ile	Lys	Glu	Asn	Leu	290	295	300
Glu	Lys	Met	Gly	Pro	Arg	Ile	Leu	Asp	Leu	Gln	Leu	Glu	Phe	Asp	Glu	305	310	315
Lys	Ala	Val	Leu	Met	Glu	Asn	Ile	Val	Tyr	Leu	Thr	Asn	Ser	Leu	Glu	325	330	335
Leu	Glu	His	Ile	Glu	Val	Lys	Phe	Ala	Ser	Glu	Ala	Glu	Asp	Lys	Ile	340	345	350
Arg	Glu	Asp	Cys	Cys	Pro	Gly	Lys	Pro	Leu	Asn	Val	Phe	Arg	Ile	Glu	355	360	365

5413

Pro Gly Val Ser Val Ser Leu Val Asn Pro Gln Pro Ser Asn Gly His
 370 375 380

Phe Ser Thr Lys Ile Glu Ile Xaa Gln Gly Asp Asn Cys Asp Ser Ile
 385 390 395 400

Ile Arg Arg Leu Met Lys Met Asn Arg Gly Ile Lys Asp Leu Ser Lys
 405 410 415

Val Lys Leu Met Arg Phe Asp Asp Pro Leu Leu Gly Pro Arg Arg Val
 420 425 430

Pro Val Leu Gly Lys Glu Tyr Thr Glu Lys Thr Pro Ile Ser Glu His
 435 440 445

Ala Val Phe Asn Val Asp Leu Met Ser Lys Lys Ile His Leu Thr Glu
 450 455 460

Asn Gly Ile Arg Val Asp Ile Gly Asp Thr Ile Ile Tyr Leu Val His
 465 470 475 480

<210> 6196

<211> 110

<212> PRT

<213> Homo sapiens

<400> 6196

Met Lys Thr Arg Thr Ile Ser Phe Ala Arg Ile Pro Asn Leu Ala Arg
 1 5 10 15

Pro Ala Ala Pro Ser Leu Arg Pro Asp Asp Val Phe Ile Ala Val Lys
 20 25 30

Thr Thr Arg Lys Asn His Gly Pro Arg Leu Arg Leu Leu Arg Thr
 35 40 45

Trp Ile Ser Arg Ala Arg Gln Gln Thr Phe Ile Phe Thr Asp Gly Asp
 50 55 60

Asp Pro Glu Leu Glu Leu Gln Gly Gly Asp Arg Val Ile Asn Thr Asn
 65 70 75 80

Cys Ser Ala Val Arg Thr Arg Gln Ala Leu Cys Cys Lys Met Ser Val
 85 90 95

5414

Glu Tyr Asp Lys Phe Ile Glu Ser Gly Arg Lys Trp Phe Cys
100 105 110

<210> 6197

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6197

Trp Leu Asn Ala Ala Lys Met Arg Ile Lys Gly Met Lys Trp Phe Asn
1 5 10 15

Thr Leu Ser His Asn Arg Trp Leu Glu Gln Glu Thr Asp Arg Ile Phe
20 25 30

Asp Phe Gly Lys Asn Ser Val Val Pro Thr Gly Phe Gly Trp Leu Gly
35 40 45

Asn Lys Gly Gln Ile Lys Glu Glu Met Gly Thr His Leu Trp Ile Thr
50 55 60

Ala Arg Met Leu His Val Tyr Ser Val Ala
65 70

<210> 6198

<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6198

Leu Leu Pro Ala Gly Arg Lys Ala Arg Leu Ser Glu Ala Pro Gly Gly
1 5 10 15

Lys Lys Ser Leu Ser Met Leu His Tyr Ile Arg Gly Ala Ala Pro Lys
20 25 30

Asp Ile Pro Val Pro Leu Ser His Ser Thr Asn Gly Lys Ser Lys Pro
35 40 45

Trp Glu Pro Phe Val Ala Glu Glu Phe Ala His Xaa Phe His Glu Ser
50 55 60

5415

Val Leu Gln Ser Thr Gln Lys Ala Leu Gln Lys His Lys Gly Ser Val
 65 70 75 80
 Ala Val Leu Ser Ala Glu Gln Asn His Lys Val Asp Thr Ser Val His
 85 90 95
 Tyr Asn Ile Pro Glu Leu Gln Ser Ser Ser Arg Ala Pro Pro Pro Gln
 100 105 110
 His Asn Gly Gln Gln Glu Pro Pro Thr Ala Arg Lys Gly Pro Pro Thr
 115 120 125
 Gln Glu Leu Asp Arg Asp Ser Glu Glu Glu Glu Glu Glu Asp Asp Glu
 130 135 140
 Asp Gly Glu Asp Glu Glu Glu Val Pro Lys Arg Lys Trp Gln Gly Ile
 145 150 155 160
 Glu Ala Val Phe Glu Ala Tyr Gln Glu His Ile Glu Glu Gln Asn Leu
 165 170 175
 Glu Arg Gln Val Leu Gln Thr Gln Cys Arg Arg Leu Glu Ala Arg His
 180 185 190
 Tyr Ser Leu Ser Leu Thr Ala Glu Gln Leu Ser His Ser Val Ala Glu
 195 200 205
 Leu Arg Ser Gln Lys Gln Lys Met Val Ser Glu Arg Glu Arg Leu Gln
 210 215 220
 Ala Glu Leu Asp His Leu Arg Lys Cys Leu Ala Leu Pro Ala Met His
 225 230 235 240
 Trp Pro Arg Gly Tyr Leu Lys Gly Tyr Pro Arg
 245 250

<210> 6199

<211> 115

<212> PRT

<213> Homo sapiens

<400> 6199

Glu Arg Val Ser Val Gly Gly Leu Val Gly Glu Val Ala Cys Ala Cys
 1 5 10 15

Arg Asp Cys Ile Pro Glu Thr Met Ala Glu Gly Asp Asn Arg Ser Thr
 20 25 30

Asn Leu Leu Ala Ala Glu Thr Ala Ser Leu Glu Glu Lys Pro Lys Met

5416

35 40 45
 Tyr Phe Met Thr Met Ile Val Ser Leu Ala Ala Val Ala Trp Val Gly
 50 55 60
 Gln Gln Val His Asn Leu Leu Leu Thr Tyr Leu Ile Val Thr Ser Leu
 65 70 75 80
 Leu Leu Leu Pro Gly Leu Asn Gln His Gly Ile Ile Leu Lys Tyr Ile
 85 90 95
 Gly Met Ala Lys Arg Glu Ile Asn Lys Leu Leu Lys Gln Lys Glu Lys
 100 105 110
 Lys Asn Glu
 115

<210> 6200
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 6200
 Leu Phe Val Ser Phe Ile Phe Thr Leu Lys Gln Glu Leu Ser Tyr Leu
 1 5 10 15
 Ile Ile Lys Val Ser Tyr Val Leu Ser Ala Arg Thr Phe Leu Ala Phe
 20 25 30
 Val Arg Met Cys Leu His Met Ser Ile Ile Asn Pro His Val Tyr Thr
 35 40 45
 Ile Val Ser Tyr Val Leu Leu Pro Asp Ser Ser Leu Cys Ile Leu
 50 55 60

<210> 6201
 <211> 141
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6201
 Pro Leu Pro Ser Gln Gly Ala Arg Trp Trp Leu Trp His Ser Cys Arg

5417

1	5	10	15
Val Val Phe Phe Ser Leu Arg Trp Ser Leu Thr Leu Val Thr Pro Ala	20	25	30
Gly Met Trp Trp Cys Lys Gln Leu Thr Ala Ala Leu Thr Leu Arg Leu	35	40	45
Lys Arg Ser Phe Cys Leu Gly Leu Leu Ser Ser Trp Asp Pro Arg Arg	50	55	60
Glu Ser Pro His Pro Val His Val Pro Ala Gly Leu Asp Met Arg Gly	65	70	75
Arg Cys Val Phe Pro Ala Thr Phe Ser Ser Ser Phe Leu Arg Gln Thr	85	90	95
Leu Ala Pro Ser Pro Arg Pro Glu Cys Gly Xaa Ala Asn Thr Ala His	100	105	110
Cys Ser Leu Asp Pro Gln Ala Gln Ala Ile Leu Thr Pro Arg Thr Pro	115	120	125
Lys Val Leu Gly Ser Gln Ala Arg Val Thr Met Leu Ala	130	135	140

<210> 6202

<211> 231

<212> PRT

<213> Homo sapiens

<400> 6202

Ile Ala Gly Thr Ala Thr Ala Arg Trp Trp Pro Ser Trp Trp Cys Ser	1	5	10	15
Asn Val Arg His Leu Gly Leu Lys Ser Glu Glu Ile Cys Trp Thr Asn	20	25	30	
Ser Glu Thr Phe Ala Ala Trp Cys Ala Leu Ala Ser Gly Ser Ser Arg	35	40	45	
Arg Glu Gly Arg Cys Arg Gln Ala Arg Ser Pro Arg Ser Ser Ser Thr	50	55	60	
Ile Ser Arg Cys Thr Trp Glu Arg Thr Arg Ser Thr Pro Pro Gly Phe	65	70	75	80
Thr Ala Trp Lys Thr Ser Ser Ala Arg Ser Ala Val Ser Thr Pro Ala	85	90	95	

5418

Ala Ala Cys Glu Cys Ser Arg Ser Ser Pro Thr Ser Trp Thr Thr Arg
 100 105 110
 Ser Ser Arg Leu Gly Ala Ala Gly Pro Ser Ala Ser Pro Ala Pro Arg
 115 120 125
 Ser Leu Pro Phe Pro Ala Pro Gly Leu Arg Ser Gln Arg Phe Ser Thr
 130 135 140
 Ser Ala Pro Pro Arg His Ala Arg Pro Pro Pro Val Ala Arg Ala Arg
 145 150 155 160
 Ala Ala Pro Pro His Pro Gln Ala Ser Gly Arg Lys Ser Gln Glu Leu
 165 170 175
 Pro Gln Gly Arg Lys Gly Ala Ala Ala Ser Ala Trp Leu Thr Ala Thr
 180 185 190
 Ala Val Val Thr Val Leu Gly Asp Pro Ala Cys Ala Phe Pro Leu Arg
 195 200 205
 Cys Lys Pro Gly Thr Gly Lys Gly Leu Arg Gly Glu Arg Thr Trp Pro
 210 215 220
 Ser Pro Arg Val His Gly Gln
 225 230

<210> 6203

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5419

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6203

Gly	Asp	Pro	Thr	Cys	Arg	Gln	Asn	Leu	Arg	Cys	Gly	Thr	Pro	Gly	Thr
1				5					10					15	

Val	Ala	Ala	Ala	Gly	Asp	Cys	Gly	Leu	Phe	Ser	Ala	Met	His	Pro	Leu
			20					25					30		

Gln	Cys	Val	Leu	Gln	Val	Gln	Arg	Ser	Leu	Gly	Trp	Gly	Pro	Leu	Ala
		35					40					45			

Ser	Val	Ser	Trp	Leu	Ser	Leu	Arg	Met	Cys	Arg	Ala	His	Ser	Ser	Leu
	50					55					60				

Ser	Ser	Thr	Met	Cys	Pro	Ser	Pro	Glu	Arg	Gln	Glu	Asp	Gly	Ala	Arg
65					70					75					80

Lys	Asp	Phe	Ser	Ser	Arg	Leu	Ala	Ala	Gly	Pro	Thr	Phe	Gln	His	Phe
				85					90					95	

Leu	Lys	Ser	Ala	Ser	Ala	Pro	Gln	Glu	Lys	Leu	Ser	Ser	Glu	Val	Glu
		100						105					110		

Asp	Pro	Pro	Pro	Tyr	Leu	Met	Met	Asp	Glu	Leu	Leu	Gly	Arg	Gln	Arg
		115					120					125			

Lys	Val	Tyr	Leu	Glu	Thr	Tyr	Gly	Cys	Gln	Met	Asn	Val	Asn	Asp	Thr
	130					135					140				

Glu	Ile	Ala	Trp	Ser	Ile	Leu	Gln	Lys	Ser	Gly	Tyr	Leu	Arg	Thr	Ser
145					150					155					160

Asn	Leu	Gln	Glu	Ala	Asp	Val	Ile	Leu	Leu	Xaa	Xaa	Ala	Leu	Ser	Gly
				165					170					175	

Arg	Xaa	Leu	Ser	Arg	Pro	Ser	Gly	Thr	Val	Thr	Xaa	Xaa	Lys	Ala	
		180						185					190		

<210> 6204

<211> 408

<212> PRT

5420

<213> Homo sapiens

<400> 6204

```

Lys Ile Met Ala His Tyr Gly Ser Ile Gln Tyr Cys Phe His Thr Cys
 1             5             10             15

Thr Leu Glu Thr Lys Phe Pro Ile Ile Pro Tyr Ile Pro Thr Leu Ile
      20             25             30

Thr Gln Leu Thr Gln Lys Leu Leu Ala Val Ser Lys Asn Pro Ser Lys
      35             40             45

Pro His Phe Asn His Tyr Met Phe Glu Ala Ile Cys Leu Ser Ile Arg
      50             55             60

Ile Thr Cys Lys Ala Asn Pro Ala Ala Val Val Asn Phe Glu Glu Ala
      65             70             75             80

Leu Phe Leu Val Phe Thr Glu Ile Leu Gln Asn Asp Val Gln Glu Phe
      85             90             95

Ile Pro Tyr Val Phe Gln Val Met Ser Leu Leu Leu Glu Thr His Lys
      100            105            110

Asn Asp Ile Pro Ser Ser Tyr Met Ala Leu Phe Pro His Leu Leu Gln
      115            120            125

Pro Val Leu Trp Glu Arg Thr Gly Asn Ile Pro Ala Leu Val Arg Leu
      130            135            140

Leu Gln Ala Phe Leu Glu Arg Gly Ser Asn Thr Ile Ala Ser Ala Ala
      145            150            155            160

Ala Asp Lys Ile Pro Gly Leu Leu Gly Val Phe Gln Lys Leu Ile Ala
      165            170            175

Ser Lys Ala Asn Asp His Gln Gly Phe Tyr Leu Leu Asn Ser Ile Ile
      180            185            190

Glu His Met Pro Pro Glu Ser Val Asp Gln Tyr Arg Lys Gln Ile Phe
      195            200            205

Ile Leu Leu Phe Gln Arg Leu Gln Asn Ser Lys Thr Thr Lys Phe Ile
      210            215            220

Lys Ser Phe Leu Val Phe Ile Asn Leu Tyr Cys Ile Lys Tyr Gly Ala
      225            230            235            240

Leu Ala Leu Gln Glu Ile Phe Asp Gly Ile Gln Pro Lys Met Phe Gly
      245            250            255

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5421

Met Val Leu Glu Lys Ile Ile Ile Pro Glu Ile Gln Lys Val Ser Gly
 260 265 270

Asn Val Glu Lys Lys Ile Cys Ala Val Gly Ile Thr Lys Leu Leu Thr
 275 280 285

Glu Cys Pro Pro Met Met Asp Thr Glu Tyr Thr Lys Leu Trp Thr Pro
 290 295 300

Leu Leu Gln Ser Leu Ile Gly Leu Phe Glu Leu Pro Glu Asp Asp Thr
 305 310 315 320

Ile Pro Asp Glu Glu His Phe Ile Asp Ile Glu Asp Thr Pro Gly Tyr
 325 330 335

Gln Thr Ala Phe Ser Gln Leu Ala Phe Ala Gly Lys Lys Glu His Asp
 340 345 350

Pro Val Gly Gln Met Val Asn Asn Pro Lys Ile His Leu Ala Gln Ser
 355 360 365

Leu His Lys Leu Ser Thr Ala Cys Pro Gly Arg Val Pro Ser Met Val
 370 375 380

Ser Thr Ser Leu Asn Ala Glu Ala Leu Gln Tyr Leu Gln Gly Tyr Leu
 385 390 395 400

Gln Ala Ala Ser Val Thr Leu Leu
 405

<210> 6205

<211> 139

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

5422

<400> 6205

Ala Ala Ala Ser Arg Arg Pro Cys Ala Gln Arg Ser Arg Thr Ser Pro
 1 5 10 15
 Ala Ala Ala Ser Cys Arg Ser Ala Phe Gly Val Arg Arg Ala Gln Pro
 20 25 30
 Ala Ser Glu Leu Arg Gly Pro Gly Arg Val Ala Arg Met Ala Trp Ala
 35 40 45
 Gly Ser Arg Arg Val Pro Ala Gly Thr Arg Ala Ala Ala Glu Arg Cys
 50 55 60
 Cys Arg Leu Ser Leu Ser Pro Gly Ala Gln Pro Ala Arg Pro Arg Pro
 65 70 75 80
 Ser Ala Pro Pro Arg Pro Met Arg Phe Leu Thr Ser Cys Xaa Leu Leu
 85 90 95
 Leu Pro Arg Ala Ala Gln Ile Leu Ala Xaa Glu Ala Gly Leu Pro Ser
 100 105 110
 Xaa Arg Ser Phe Met Gly Phe Ala Ala Pro Phe Thr Asn Lys Arg Lys
 115 120 125
 Ala Tyr Ser Glu Arg Arg Ile Met Gly Tyr Ser
 130 135

<210> 6206

<211> 275

<212> PRT

<213> Homo sapiens

<400> 6206

Gly Gly Ala Ser Asn Phe Leu Ser Trp Arg Glu Ser Ala Arg Trp Ser
 1 5 10 15
 Arg Gln Leu Arg Arg Thr Leu Ile Arg Leu Ser Phe Pro Ile Ser Cys
 20 25 30
 Gly Arg Ser His Ala Phe Gly Gly Cys Lys Met Ala Ala Thr Ser Gly
 35 40 45
 Thr Asp Glu Pro Val Ser Gly Glu Leu Val Ser Val Ala His Ala Leu
 50 55 60
 Ser Leu Pro Ala Glu Ser Tyr Gly Asn Asp Pro Asp Ile Glu Met Ala
 65 70 75 80

5423

Trp Ala Met Arg Ala Met Gln His Ala Glu Val Tyr Tyr Lys Leu Ile
 85 90 95
 Ser Ser Val Asp Pro Gln Phe Leu Lys Leu Thr Lys Val Asp Asp Gln
 100 105 110
 Ile Tyr Ser Glu Phe Arg Lys Asn Phe Glu Thr Leu Arg Ile Asp Val
 115 120 125
 Leu Asp Pro Glu Glu Leu Lys Ser Glu Ser Ala Lys Glu Lys Trp Arg
 130 135 140
 Pro Phe Cys Leu Lys Phe Asn Gly Ile Val Glu Asp Phe Asn Tyr Gly
 145 150 155 160
 Thr Leu Leu Arg Leu Asp Cys Ser Gln Gly Tyr Thr Glu Glu Asn Thr
 165 170 175
 Ile Phe Ala Pro Arg Ile Gln Phe Phe Ala Ile Glu Ile Ala Arg Asn
 180 185 190
 Arg Glu Gly Tyr Asn Lys Ala Val Tyr Ile Ser Val Gln Asp Lys Glu
 195 200 205
 Gly Glu Lys Gly Val Asn Asn Gly Gly Glu Lys Arg Ala Asp Ser Gly
 210 215 220
 Glu Glu Glu Asn Thr Lys Asn Gly Gly Glu Lys Gly Ala Asp Ser Gly
 225 230 235 240
 Glu Glu Lys Glu Glu Gly Ile Asn Arg Glu Asp Lys Thr Asp Lys Gly
 245 250 255
 Gly Glu Lys Gly Lys Glu Ala Asp Lys Glu Ile Asn Lys Ser Gly Glu
 260 265 270
 Lys Ala Met
 275

<210> 6207

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

5424

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6207
 Lys Met Leu Xaa Glu Ile Lys Ile Ile Ser Leu Xaa Val Arg Leu Asn
 1 5 10 15
 Thr Xaa Asn Leu Xaa Pro Asn Ile Thr Tyr Gly Ser Asn Tyr Phe Leu
 20 25 30
 Phe Cys Cys Leu Pro Ile Leu Asn Asn Ile Phe Ser Leu Asn Tyr Cys
 35 40 45
 Lys Xaa Phe Phe Val Gly Gly Xaa Phe Tyr Leu Leu Gln Asn Asn Lys
 50 55 60
 Val Gln Thr Ile Leu Cys Leu Thr Val Ala Leu Ser Lys His Tyr Ala
 65 70 75 80
 Trp Ile Ala Phe Glu Lys Lys
 85

<210> 6208
 <211> 119
 <212> PRT
 <213> Homo sapiens

5425

<400> 6208

```

Pro Phe Pro Ser Leu Pro Ser Ser Cys Cys Gln Gly Leu Gln Val Cys
 1             5             10             15

His Arg Pro Gly Pro Ser Leu Lys His Gly Ile Ile Ser Glu Leu Glu
          20             25             30

Val Ala Ala Ser Glu Lys Asn Pro Ser Arg Val Leu Thr Ala Glu Ile
          35             40             45

Gln Glu Leu Gly Asn Gln Pro Pro Val Cys Arg Leu Leu Ser Leu Glu
          50             55             60

Ile Leu Trp Pro Asn Leu Val Ala Val Phe Trp Asn Ser Phe Tyr Arg
          65             70             75             80

Gly Arg Gln Cys Cys Ala Phe Leu Asp Phe Arg Met Phe Gln Gly Cys
          85             90             95

Cys Trp Ile Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
          100             105             110

Val Arg Ala Cys Met Cys Ala
          115

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<210> 6209

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6209

```

Arg Asn Met Ser Ser Phe Ser Arg Ala Pro Gln Gln Trp Ala Thr Phe
 1             5             10             15

Ala Arg Ile Trp Tyr Leu Leu Asp Gly Lys Met Gln Pro Pro Gly Lys
          20             25             30

Leu Ala Ala Met Ala Ser Ile Arg Leu Gln Gly Leu His Lys Pro Val
          35             40             45

Tyr His Ala Leu Ser Asp Cys Gly Asp His Val Val Ile Met Asn Thr
          50             55             60

Arg His Ile Ala Phe Ser Gly Asn Lys Trp Glu Gln Lys Val Tyr Ser
          65             70             75             80

Ser His Thr Gly Tyr Pro Gly Gly Phe Arg Gln Val Thr Ala Ala Gln
          85             90             95

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5426

Leu His Leu Arg Asp Pro Val Ala Ile Val Lys Leu Ala Ile Tyr Gly
 100 105 110

Met Leu Pro Lys Asn Leu His Arg Arg Thr Met Met Glu Arg Leu His
 115 120 125

Leu Phe Pro Asp Glu Tyr Ile Pro Glu Asp Ile Leu Lys Asn Leu Val
 130 135 140

Glu Glu Leu Pro Gln Pro Arg Lys Ile Pro Lys Arg Leu Asp Glu Tyr
 145 150 155 160

Thr Gln Glu Glu Ile Asp Ala Phe Pro Arg Leu Trp Thr Pro Pro Glu
 165 170 175

Asp Tyr Arg Leu
 180

<210> 6210

<211> 86

<212> PRT

<213> Homo sapiens

<400> 6210

Ala Glu Leu Gly Ala Asn Gly Ser Ile Ala Val Ile Ser Gly Arg Arg
 1 5 10 15

Val Ser Ile Gln Val Ser Asp Ser Ser Ala Arg Leu Pro Trp Val Trp
 20 25 30

Glu Glu Ala Leu Pro Phe Cys Ala Val Asp Pro Ala Cys Leu Leu Trp
 35 40 45

Ser Pro Pro Thr Leu Ala Arg Ser Phe Thr Asn Gln Arg Arg Ala Val
 50 55 60

Ser Lys Ser Ser Asp Arg Met Trp Cys Lys Cys Arg Cys Thr Ser Leu
 65 70 75 80

Thr Leu Ser Cys Arg Ser
 85

<210> 6211

<211> 42

<212> PRT

<213> Homo sapiens

5427

<400> 6211

```

Ile Leu Ser Asp Val Trp Ser Leu Ser Ile Gln Thr Val Asn Ile Val
 1             5             10             15

Leu Val Phe Val Leu Ile Leu Ile Leu Leu Leu Tyr Ser Leu Arg Cys
      20             25             30

Ala Met Gln Thr Leu Ser Asn Cys Val Trp
      35             40

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<210> 6212

<211> 269

<212> PRT

<213> Homo sapiens

<400> 6212

```

Arg Asp Leu Ser Glu Pro Val Ala Gly Leu Phe Tyr Phe Pro Ser Leu
 1             5             10             15

Ser Pro Ala Pro Tyr Leu Phe Ser Pro Phe Ser His Pro Arg Ser Arg
      20             25             30

Ser His Gly Gly Ala Ser Ala Ala Thr Gln Ser His Ser Ile Ser Ser
      35             40             45

Ser Ser Phe Gly Ala Glu Pro Ser Ala Pro Gly Gly Gly Gly Ser Pro
      50             55             60

Gly Ala Cys Pro Ala Leu Gly Thr Lys Ser Cys Ser Ser Ser Cys Ala
      65             70             75             80

Val His Asp Leu Ile Phe Trp Arg Asp Val Lys Lys Thr Gly Phe Val
      85             90             95

Phe Gly Thr Thr Leu Ile Met Leu Leu Ser Leu Ala Ala Phe Ser Val
      100             105             110

Ile Ser Val Val Ser Tyr Leu Ile Leu Ala Leu Leu Ser Val Thr Ile
      115             120             125

Ser Phe Arg Ile Tyr Lys Ser Val Ile Gln Ala Val Gln Lys Ser Glu
      130             135             140

Glu Gly His Pro Phe Lys Ala Tyr Leu Asp Val Asp Ile Thr Leu Ser
      145             150             155             160

Ser Glu Ala Phe His Asn Tyr Met Asn Ala Ala Met Val His Ile Asn
      165             170             175

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5428

Arg Ala Leu Lys Leu Ile Ile Arg Leu Phe Leu Val Glu Asp Leu Val
 180 185 190
 Asp Ser Leu Lys Leu Ala Val Phe Met Trp Leu Met Thr Tyr Val Gly
 195 200 205
 Ala Val Phe Asn Gly Ile Thr Leu Leu Ile Leu Ala Glu Leu Leu Ile
 210 215 220
 Phe Ser Val Pro Ile Val Tyr Glu Lys Tyr Lys Thr Gln Ile Asp His
 225 230 235 240
 Tyr Val Gly Ile Ala Arg Asp Gln Thr Lys Ser Ile Val Glu Lys Ile
 245 250 255
 Gln Ala Lys Leu Pro Gly Ile Ala Lys Lys Lys Ala Glu
 260 265

<210> 6213

<211> 206

<212> PRT

<213> Homo sapiens

<400> 6213

Pro Ala Gly Asp Asn Gly Asn Met Ala Leu Asn Gly Ala Glu Val Asp
 1 5 10 15
 Asp Phe Ser Trp Glu Pro Pro Thr Glu Ala Glu Thr Lys Val Leu Gln
 20 25 30
 Ala Arg Arg Glu Arg Gln Asp Arg Ile Ser Arg Leu Met Gly Asp Tyr
 35 40 45
 Leu Leu Arg Gly Tyr Arg Met Leu Gly Glu Thr Cys Ala Asp Cys Gly
 50 55 60
 Thr Ile Leu Leu Gln Asp Lys Gln Arg Lys Ile Tyr Cys Val Ala Cys
 65 70 75 80
 Gln Glu Leu Asp Ser Asp Val Asp Lys Asp Asn Pro Ala Leu Asn Ala
 85 90 95
 Gln Ala Ala Leu Ser Gln Ala Arg Glu His Gln Leu Ala Ser Ala Ser
 100 105 110
 Glu Leu Pro Leu Gly Ser Arg Pro Ala Pro Gln Pro Pro Val Pro Arg
 115 120 125

5429

Pro Glu His Cys Glu Gly Ala Ala Ala Gly Leu Lys Ala Ala Gln Gly
 130 135 140

Pro Pro Ala Pro Ala Val Pro Pro Asn Thr Asp Val Met Ala Cys Thr
 145 150 155 160

Gln Thr Ala Leu Leu Gln Lys Leu Thr Trp Ala Ser Ala Glu Leu Gly
 165 170 175

Ser Ser Thr Ser Leu Glu Thr Ser Ile Gln Leu Cys Gly Leu Ile Arg
 180 185 190

Ala Cys Ala Glu Ala Leu Arg Ser Leu Gln Gln Leu Gln His
 195 200 205

<210> 6214

<211> 583

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (397)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6214

Ala Ala Pro Ala Trp Ala Ala Leu Pro Leu Ser Arg Ser Leu Pro Pro
 1 5 10 15

Cys Ser Asn Ser Ser Ser Phe Ser Met Pro Leu Phe Leu Leu Leu
 20 25 30

Leu Val Leu Leu Leu Leu Leu Glu Asp Ala Gly Ala Gln Gln Gly Asp
 35 40 45

Gly Cys Gly His Thr Val Leu Gly Pro Glu Ser Gly Thr Leu Thr Ser
 50 55 60

Ile Asn Tyr Pro Gln Thr Tyr Pro Asn Ser Thr Val Cys Glu Trp Glu
 65 70 75 80

Ile Arg Val Lys Met Gly Glu Arg Val Arg Ile Lys Phe Gly Asp Phe
 85 90 95

Asp Ile Glu Asp Ser Asp Ser Cys His Phe Asn Tyr Leu Arg Ile Tyr
 100 105 110

Asn Gly Ile Gly Val Ser Arg Thr Glu Ile Gly Lys Tyr Cys Gly Leu
 115 120 125

5430

Gly	Leu	Gln	Met	Asn	His	Ser	Ile	Glu	Ser	Lys	Gly	Asn	Glu	Ile	Thr	130	135	140	
Leu	Leu	Phe	Met	Ser	Gly	Ile	His	Val	Ser	Gly	Arg	Gly	Phe	Leu	Ala	145	150	155	160
Ser	Tyr	Ser	Val	Ile	Asp	Lys	Gln	Asp	Leu	Ile	Thr	Cys	Leu	Asp	Thr	165	170	175	
Ala	Ser	Asn	Phe	Leu	Glu	Pro	Glu	Phe	Ser	Lys	Tyr	Cys	Pro	Ala	Gly	180	185	190	
Cys	Leu	Leu	Pro	Phe	Ala	Glu	Ile	Ser	Gly	Thr	Ile	Pro	His	Gly	Tyr	195	200	205	
Arg	Asp	Ser	Ser	Pro	Leu	Cys	Met	Ala	Gly	Val	His	Ala	Gly	Val	Val	210	215	220	
Ser	Asn	Thr	Leu	Gly	Gly	Gln	Ile	Ser	Val	Val	Ile	Ser	Lys	Gly	Ile	225	230	235	240
Pro	Tyr	Tyr	Glu	Ser	Ser	Leu	Ala	Asn	Asn	Val	Thr	Ser	Val	Val	Gly	245	250	255	
His	Leu	Ser	Thr	Ser	Leu	Phe	Thr	Phe	Lys	Thr	Ser	Gly	Cys	Tyr	Gly	260	265	270	
Thr	Leu	Gly	Met	Glu	Ser	Gly	Val	Ile	Ala	Asp	Pro	Gln	Ile	Thr	Ala	275	280	285	
Ser	Ser	Val	Leu	Glu	Trp	Thr	Asp	His	Thr	Gly	Gln	Glu	Asn	Ser	Trp	290	295	300	
Lys	Pro	Lys	Lys	Ala	Arg	Leu	Lys	Lys	Pro	Gly	Pro	Pro	Trp	Ala	Ala	305	310	315	320
Phe	Ala	Thr	Asp	Glu	Tyr	Gln	Trp	Leu	Gln	Ile	Asp	Leu	Asn	Lys	Glu	325	330	335	
Lys	Lys	Ile	Thr	Gly	Ile	Ile	Thr	Thr	Gly	Ile	Thr	Met	Val	Glu	His	340	345	350	
Asn	Tyr	Tyr	Val	Ser	Ala	Tyr	Arg	Ile	Leu	Tyr	Ser	Asp	Asp	Gly	Gln	355	360	365	
Lys	Trp	Thr	Val	Tyr	Arg	Glu	Pro	Gly	Val	Glu	Gln	Asp	Lys	Ile	Phe	370	375	380	
Gln	Gly	Asn	Lys	Asp	Tyr	His	Gln	Asp	Val	Arg	Asn	Xaa	Phe	Leu	Pro	385	390	395	400

5431

Pro Ile Ile Ala Arg Phe Ile Arg Val Asn Pro Thr Gln Trp Gln Gln
 405 410 415
 Lys Ile Ala Met Lys Met Glu Leu Leu Gly Cys Gln Phe Ile Pro Lys
 420 425 430
 Gly Arg Pro Pro Lys Leu Thr Gln Pro Pro Pro Pro Arg Asn Ser Asn
 435 440 445
 Asp Leu Lys Asn Thr Thr Ala Pro Pro Lys Ile Ala Lys Gly Arg Ala
 450 455 460
 Pro Lys Phe Thr Gln Pro Leu Gln Pro Arg Ser Ser Asn Glu Phe Pro
 465 470 475 480
 Ala Gln Thr Glu Gln Thr Thr Ala Ser Pro Asp Ile Arg Asn Thr Thr
 485 490 495
 Val Thr Pro Asn Val Thr Lys Asp Val Ala Leu Ala Ala Val Leu Val
 500 505 510
 Pro Val Leu Val Met Val Leu Thr Thr Leu Ile Leu Ile Leu Val Cys
 515 520 525
 Ala Trp His Trp Arg Asn Arg Lys Lys Lys Thr Glu Gly Thr Tyr Asp
 530 535 540
 Leu Pro Tyr Trp Asp Arg Ala Gly Asn Ser Arg Gly Leu Cys Ile Ser
 545 550 555 560
 Phe Leu Ser Glu Gly Cys Arg Ser Pro Thr Gly Gly Ser Ser Glu Lys
 565 570 575
 Arg Val Ile Leu Trp Pro Arg
 580

<210> 6215

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5432

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6215

Pro	Ser	Arg	Gly	His	Thr	Trp	Ala	Tyr	Ser	Gly	Xaa	Ala	Glu	Pro	Ala
1				5					10					15	

Xaa	Ala	Arg	Leu	Arg	Ala	Ser	Leu	Thr	Leu	Ser	Arg	Glu	Ala	Gln	Lys
			20					25					30		

Phe	Ala	Leu	Ala	Arg	Glu	Val	Val	Tyr	Leu	Glu	Ser	Ser	Thr	Thr	Ala
		35					40					45			

Val	His	Ala	Leu	Leu	Ala	Pro	Ala	Cys	Leu	Ala	Gly	Thr	Trp	Ala	Leu
	50					55					60				

Gly	Val	Gly	Ala	Lys	Tyr	Thr	Leu	Gly	Leu	His	Ala	Gly	Pro	Met	Asn
65					70					75					80

Leu	Arg	Ala	Ala	Phe	Ser	Leu	Val	Ala	Ala	Val	Ala	Gly	Phe	Val	Ala
				85					90					95	

Tyr	Ala	Phe	Ser	Gln	Asp	Ser	Leu	Thr	His	Ala	Val	Glu	Ser	Trp	Leu
			100					105					110		

Asp	Arg	Arg	Thr	Ala	Ser	Leu	Ser	Ala	Ala	Tyr	Ala	Cys	Gly	Gly	Val
		115					120					125			

Glu	Phe	Tyr	Glu	Lys	Leu	Leu	Ser	Gly	Asn	Leu	Ala	Leu	Arg	Xaa	Leu
	130					135					140				

Phe	Gly	Gln	Lys	Lys	Gly	Glu	Lys	Leu	Tyr	Thr	Pro	Asn	Xaa	Glu	His
145					150					155					160

Arg	Pro	Xaa	Asp	Thr	Cys	Ser
						165

5433

<210> 6216

<211> 63

<212> PRT

<213> Homo sapiens

<400> 6216

Gln Gly Leu Pro Ser Met Lys Tyr Leu Thr Phe Ser His Pro Leu Lys
1 5 10 15

Asn Ile His Phe Tyr Lys Met Lys Thr Ile Ile Asn Val Leu Asn Ile
20 25 30

Lys Lys Asn Asn Asn Leu Gln Arg Lys Ile Asn Gly Asp Ser Tyr Leu
35 40 45

Pro Cys Thr Phe Ser Thr Ile Val Ala Ala Ser Cys Thr His Leu
50 55 60

<210> 6217

<211> 521

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6217

Ala Asp Tyr Leu Leu Ser Arg Met Asp Val Thr Ser Cys Ile Ser Tyr
1 5 10 15

Arg Asn Phe Ala Ser Cys Met Gly Asp Ser Arg Leu Leu Asn Lys Val
20 25 30

Asp Ala Tyr Ile Gln Glu His Leu Leu Gln Ile Ser Glu Glu Glu Glu

5434

35					40					45						
Phe	Leu	Lys	Leu	Pro	Arg	Leu	Lys	Leu	Glu	Val	Met	Leu	Glu	Asp	Asn	
50					55					60						
Val	Cys	Leu	Pro	Ser	Asn	Gly	Lys	Leu	Tyr	Thr	Lys	Val	Ile	Asn	Trp	
65					70					75					80	
Val	Gln	Arg	Xaa	Ile	Trp	Glu	Asn	Gly	Asp	Ser	Leu	Xaa	Xaa	Leu	Met	
					85					90					95	
Glu	Glu	Val	Gln	Thr	Leu	Tyr	Tyr	Ser	Ala	Asp	His	Lys	Leu	Leu	Asp	
100					105					110						
Gly	Asn	Leu	Leu	Asp	Gly	Gln	Ala	Glu	Val	Phe	Gly	Ser	Asp	Asp	Asp	
115					120					125						
His	Ile	Gln	Phe	Val	Gln	Lys	Lys	Pro	Pro	Arg	Glu	Asn	Gly	His	Lys	
130					135					140						
Gln	Ile	Ser	Ser	Ser	Ser	Thr	Gly	Cys	Leu	Ser	Ser	Pro	Asn	Ala	Thr	
145					150					155					160	
Val	Gln	Ser	Pro	Lys	His	Glu	Trp	Lys	Ile	Val	Ala	Ser	Glu	Lys	Thr	
					165					170					175	
Ser	Asn	Asn	Thr	Tyr	Leu	Cys	Leu	Ala	Val	Leu	Asp	Gly	Ile	Phe	Cys	
180					185					190						
Val	Ile	Phe	Leu	His	Gly	Arg	Asn	Ser	Pro	Gln	Ser	Ser	Pro	Thr	Ser	
195					200					205						
Thr	Pro	Lys	Leu	Ser	Lys	Ser	Leu	Ser	Phe	Glu	Met	Gln	Gln	Asp	Glu	
210					215					220						
Leu	Ile	Glu	Lys	Pro	Met	Ser	Pro	Met	Gln	Tyr	Ala	Arg	Ser	Gly	Leu	
225					230					235					240	
Gly	Thr	Ala	Glu	Met	Asn	Gly	Lys	Leu	Ile	Ala	Ala	Gly	Gly	Tyr	Asn	
					245					250					255	
Arg	Glu	Glu	Cys	Leu	Arg	Thr	Val	Glu	Cys	Tyr	Asn	Pro	His	Thr	Asp	
260					265					270						
His	Trp	Ser	Phe	Leu	Ala	Pro	Met	Arg	Thr	Pro	Arg	Ala	Arg	Phe	Gln	
275					280					285						
Met	Ala	Val	Leu	Met	Gly	Gln	Leu	Tyr	Val	Val	Gly	Gly	Ser	Asn	Gly	
290					295					300						
His	Ser	Asp	Asp	Leu	Ser	Cys	Gly	Glu	Met	Tyr	Asp	Ser	Asn	Ile	Asp	

5435

305		310		315		320
Asp Trp Ile Pro Val Pro Glu Leu Arg Thr Asn Arg Cys Asn Ala Gly						
	325		330		335	
Val Cys Ala Leu Asn Gly Lys Leu Tyr Ile Val Gly Gly Ser Asp Pro						
	340		345		350	
Tyr Gly Gln Lys Gly Leu Lys Asn Cys Asp Val Phe Asp Pro Val Thr						
	355		360		365	
Lys Leu Trp Thr Ser Cys Ala Pro Leu Asn Ile Arg Arg His Gln Ser						
	370		375		380	
Ala Val Cys Glu Leu Gly Gly Tyr Leu Tyr Ile Ile Gly Gly Ala Glu						
385		390		395		400
Ser Trp Asn Cys Leu Asn Thr Val Glu Arg Tyr Asn Pro Glu Asn Asn						
	405		410		415	
Thr Trp Thr Leu Ile Ala Pro Met Asn Val Ala Arg Arg Gly Ala Gly						
	420		425		430	
Val Ala Val Leu Asn Gly Lys Leu Phe Val Cys Gly Gly Phe Asp Gly						
	435		440		445	
Ser His Ala Ile Ser Cys Val Glu Met Tyr Asp Pro Thr Arg Asn Glu						
	450		455		460	
Trp Lys Met Met Gly Asn Met Thr Ser Pro Arg Ser Asn Ala Gly Ile						
465		470		475		480
Ala Thr Val Gly Asn Thr Ile Tyr Ala Val Gly Gly Phe Asp Gly Asn						
	485		490		495	
Glu Phe Leu Asn Thr Val Glu Val Tyr Asn Leu Glu Ser Asn Glu Trp						
	500		505		510	
Ser Pro Tyr Thr Lys Ile Phe Gln Phe						
	515		520			

<210> 6218

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

5436

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6218

Gly	Val	Trp	Ser	Leu	Met	Leu	Leu	Gly	Asp	Met	Arg	Leu	Xaa	Phe	Xaa
1				5				10					15		

Gln	Val	Glu	Asp	Glu	Leu	Ser	Ser	Pro	Val	Val	Val	Phe	Arg	Phe	Phe
			20					25					30		

Gln	Glu	Leu	Pro	Gly	Ser	Asp	Pro	Val	Phe	Lys	Ala	Val	Pro	Val	Pro
		35					40					45			

Asn	Met	Thr	Pro	Ser	Gly	Val	Gly	Arg	Glu	Arg	His	Ser	Cys	Asp	Ala
	50					55					60				

Leu	Asn	Arg	Trp	Leu	Gly	Glu	Gln	Leu	Lys	Gln	Leu	Val	Pro	Ala	Ser
65					70					75					80

Gly	Leu	Thr	Val	Met	Asp	Leu	Glu	Ala	Glu	Gly	Thr	Cys	Leu	Arg	Phe
				85					90					95	

Ser	Pro	Leu	Met	Thr	Ala	Ala	Val	Leu	Gly	Thr	Arg	Gly	Glu	Asp	Val
			100					105					110		

Asp	Gln	Leu	Val	Ala	Cys	Ile	Glu	Ser	Lys	Leu	Pro	Val	Leu	Cys	Cys
	115						120					125			

Thr	Leu	Gln	Leu	Arg	Glu	Glu	Phe	Lys	Gln	Glu	Val	Glu	Ala	Thr	Ala
	130					135					140				

Gly	Leu	Leu	Tyr	Val	Asp	Asp	Pro	Asn	Trp	Ser	Gly	Ile	Gly	Val	Val
145					150					155					160

Arg	Tyr	Glu	His	Ala	Asn	Asp	Asp	Lys	Ser	Ser	Leu	Lys	Ser	Asp	Pro
				165					170					175	

Glu	Gly	Glu	Asn	Ile	His	Ala	Gly	Leu	Leu	Lys	Lys	Leu	Asn	Glu	Leu
			180					185					190		

Glu	Ser	Asp	Leu	Thr	Phe	Lys	Ile	Gly	Pro	Glu	Tyr	Lys	Ser	Met	Lys
		195						200				205			

Ser	Cys	Leu	Tyr	Val	Gly	Met	Ala	Ser	Asp	Asn	Val	Asp	Ala	Ala	Glu
	210					215					220				

Leu	Val	Glu	Thr	Ile	Ala	Ala	Thr	Ala	Arg	Glu	Ile	Glu	Glu	Asn	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5437

225		230		235		240									
Arg	Leu	Leu	Glu	Asn	Met	Thr	Glu	Val	Val	Arg	Lys	Gly	Ile	Gln	Glu
			245						250					255	
Ala	Gln	Val	Glu	Leu	Gln	Lys	Ala	Ser	Glu	Glu	Arg	Leu	Leu	Glu	Glu
		260						265					270		
Gly	Val	Leu	Arg	Gln	Ile	Pro	Val	Val	Gly	Ser	Val	Leu	Asn	Trp	Phe
	275						280					285			
Ser	Pro	Val	Gln	Ala	Leu	Gln	Lys	Gly	Arg	Thr	Phe	Asn	Leu	Thr	Ala
	290					295					300				
Gly	Ser	Leu	Glu	Ser	Thr	Glu	Pro	Ile	Tyr	Val	Tyr	Lys	Ala	Gln	Gly
305					310					315				320	
Ala	Gly	Val	Thr	Leu	Pro	Pro	Thr	Pro	Ser	Gly	Ser	Arg	Thr	Lys	Gln
			325						330					335	
Arg	Leu	Pro	Gly	Gln	Lys	Pro	Phe	Lys	Arg	Ser	Leu	Arg	Gly	Ser	Asp
		340						345					350		
Ala	Leu	Ser	Glu	Thr	Ser	Ser	Val	Ser	His	Ile	Glu	Asp	Leu	Glu	Lys
		355					360					365			
Val	Glu	Arg	Leu	Ser	Ser	Gly	Pro	Glu	Gln	Ile	Thr	Leu	Glu	Ala	Ser
	370					375					380				
Ser	Thr	Glu	Gly	His	Pro	Gly	Ala	Pro	Ser	Pro	Gln	His	Thr	Asp	Gln
385					390					395					400
Thr	Glu	Ala	Phe	Gln	Lys	Gly	Val	Pro	His	Pro	Glu	Asp	Asp	His	Ser
			405						410					415	
Gln	Val	Glu	Gly	Pro	Glu	Ser	Leu	Arg							
		420						425							

<210> 6219

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5438

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6219

Ser	Lys	Glu	Ala	Ala	Leu	Gln	Trp	His	Ser	Trp	Val	Trp	Cys	Thr	Thr
1					5				10					15	

Pro	Gln	Glu	His	Leu	Xaa	Phe	Cys	Leu	Ile	Asn	Ala	Gly	Val	Leu	Tyr
			20					25					30		

Leu	Tyr	Phe	Ser	Asn	Tyr	Leu	Gln	Ile	Asp	Glu	Glu	Xaa	Tyr	Gly	Gly
		35					40					45			

Thr	Trp	Glu	Leu	Thr	Xaa	Glu	Gly	Phe	Met	Thr	Xaa	Phe	Ala	Leu	Phe
	50					55					60				

Arg	Ser	Leu	Asp	His	Leu	Leu	His	Cys	His	Pro	Leu	Xaa	Leu	Met	Val
65					70					75				80	

Tyr	Ser	Ser	Gln	Cys	Ser	Leu	Ser	Ser	Pro	Lys	Asp	Pro	Leu	Gly	Leu
				85					90					95	

Gln	His	Arg	Asn	Leu	Asp	Arg	Trp	Gly	Thr	Gln	Pro	Leu	Gly	Asn	Leu
			100					105					110		

Glu	Asp	Pro	Cys	Phe	Arg	Asp	Arg	Glu	Ser	Val	Cys	Trp	Gly	Ile	Ser
		115					120					125			

Val	Phe
	130

<210> 6220

<211> 150

5439

<212> PRT

<213> Homo sapiens

<400> 6220

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Thr Pro Thr Pro Phe Gly Ser Ala Arg Ala Pro Gln Ala Arg Pro Gly
 1             5             10             15

Arg Arg Asp Gly Arg Met Ser Gly Gly Arg Arg Lys Glu Glu Pro Pro
          20             25             30

Gln Pro Gln Leu Ala Asn Gly Ala Leu Lys Val Ser Val Trp Ser Lys
          35             40             45

Val Leu Arg Ser Asp Ala Ala Trp Glu Asp Lys Asp Glu Phe Leu Asp
          50             55             60

Val Ile Tyr Trp Phe Arg Gln Ile Ile Ala Val Val Leu Gly Val Ile
 65             70             75             80

Trp Gly Val Leu Pro Leu Arg Gly Phe Leu Gly Ile Ala Gly Phe Cys
          85             90             95

Leu Ile Asn Ala Gly Val Leu Tyr Leu Tyr Phe Ser Asn Tyr Leu Gln
          100            105            110

Ile Asp Glu Glu Glu Tyr Gly Gly Thr Trp Glu Leu Thr Lys Glu Gly
          115            120            125

Phe Met Thr Ser Phe Ala Leu Phe Met Val Ile Trp Ile Ile Phe Tyr
          130            135            140

Thr Ala Ile His Tyr Asp
145             150

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<210> 6221

<211> 782

<212> PRT

<213> Homo sapiens

<400> 6221

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Trp Ser Ala Ala Ala Ala Ala Ala Ala Ala Gln Ser Arg Trp Trp
 1             5             10             15

Ser Arg Arg Gly Gly Ser Arg Ser Thr Met Pro Ala Leu Pro Leu Asp
          20             25             30

Gln Leu Gln Ile Thr His Lys Asp Pro Lys Thr Gly Lys Leu Arg Thr
          35             40             45

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5440

Ser Pro Ala Leu His Pro Glu Gln Lys Ala Asp Arg Tyr Phe Val Leu
 50 55 60
 Tyr Lys Pro Pro Pro Lys Asp Asn Ile Pro Ala Leu Val Glu Glu Tyr
 65 70 75 80
 Leu Glu Arg Ala Thr Phe Val Ala Asn Asp Leu Asp Trp Leu Leu Ala
 85 90 95
 Leu Pro His Asp Lys Phe Trp Cys Gln Val Ile Phe Asp Glu Thr Leu
 100 105 110
 Gln Lys Cys Leu Asp Ser Tyr Leu Arg Tyr Val Pro Arg Lys Phe Asp
 115 120 125
 Glu Gly Val Ala Ser Ala Pro Glu Val Val Asp Met Gln Lys Arg Leu
 130 135 140
 His Arg Ser Val Phe Leu Thr Phe Leu Arg Met Ser Thr His Lys Glu
 145 150 155 160
 Ser Lys Asp His Phe Ile Ser Pro Ser Ala Phe Gly Glu Ile Leu Tyr
 165 170 175
 Asn Asn Phe Leu Phe Asp Ile Pro Lys Ile Leu Asp Leu Cys Val Leu
 180 185 190
 Phe Gly Lys Gly Asn Ser Pro Leu Leu Gln Lys Met Ile Gly Asn Ile
 195 200 205
 Phe Thr Gln Gln Pro Ser Tyr Tyr Ser Asp Leu Asp Glu Thr Leu Pro
 210 215 220
 Thr Ile Leu Gln Val Phe Ser Asn Ile Leu Gln His Cys Gly Leu Gln
 225 230 235 240
 Gly Asp Gly Ala Asn Thr Thr Pro Gln Lys Leu Glu Glu Arg Gly Arg
 245 250 255
 Leu Thr Pro Ser Asp Met Pro Leu Leu Glu Leu Lys Asp Ile Val Leu
 260 265 270
 Tyr Leu Cys Asp Thr Cys Thr Thr Leu Trp Ala Phe Leu Asp Ile Phe
 275 280 285
 Pro Leu Ala Cys Gln Thr Phe Gln Lys His Asp Phe Cys Tyr Arg Leu
 290 295 300
 Ala Ser Phe Tyr Glu Ala Ala Ile Pro Glu Met Glu Ser Ala Ile Lys
 305 310 315 320

5441

Lys	Arg	Arg	Leu	Glu	Asp	Ser	Lys	Leu	Leu	Gly	Asp	Leu	Trp	Gln	Arg	325	330	335	
Leu	Ser	His	Ser	Arg	Lys	Lys	Leu	Met	Glu	Ile	Phe	His	Ile	Ile	Leu	340	345	350	
Asn	Gln	Ile	Cys	Leu	Leu	Pro	Ile	Leu	Glu	Ser	Ser	Cys	Asp	Asn	Ile	355	360	365	
Gln	Gly	Phe	Ile	Glu	Glu	Phe	Leu	Gln	Ile	Phe	Ser	Ser	Leu	Leu	Gln	370	375	380	
Glu	Lys	Arg	Phe	Leu	Arg	Asp	Tyr	Asp	Ala	Leu	Phe	Pro	Val	Ala	Glu	385	390	395	400
Asp	Ile	Ser	Leu	Leu	Gln	Gln	Ala	Ser	Ser	Val	Leu	Asp	Glu	Thr	Arg	405	410	415	
Thr	Ala	Tyr	Ile	Leu	Gln	Ala	Val	Glu	Ser	Ala	Trp	Glu	Gly	Val	Asp	420	425	430	
Arg	Arg	Lys	Ala	Thr	Asp	Ala	Lys	Asp	Pro	Ser	Val	Ile	Glu	Glu	Pro	435	440	445	
Asn	Gly	Glu	Pro	Asn	Gly	Val	Thr	Val	Thr	Ala	Glu	Ala	Val	Ser	Gln	450	455	460	
Ala	Ser	Ser	His	Pro	Glu	Asn	Ser	Glu	Glu	Glu	Glu	Cys	Met	Gly	Ala	465	470	475	480
Ala	Ala	Ala	Val	Gly	Pro	Ala	Met	Cys	Gly	Val	Glu	Leu	Asp	Ser	Leu	485	490	495	
Ile	Ser	Gln	Val	Lys	Asp	Leu	Leu	Pro	Asp	Leu	Gly	Glu	Gly	Phe	Ile	500	505	510	
Leu	Ala	Cys	Leu	Glu	Tyr	Tyr	His	Tyr	Asp	Pro	Glu	Gln	Val	Ile	Asn	515	520	525	
Asn	Ile	Leu	Glu	Glu	Arg	Leu	Ala	Pro	Thr	Leu	Ser	Gln	Leu	Asp	Arg	530	535	540	
Asn	Leu	Asp	Arg	Glu	Met	Lys	Pro	Asp	Pro	Thr	Pro	Leu	Leu	Thr	Ser	545	550	555	560
Arg	His	Asn	Val	Phe	Gln	Asn	Asp	Glu	Phe	Asp	Val	Phe	Ser	Arg	Asp	565	570	575	
Ser	Val	Asp	Leu	Ser	Arg	Val	His	Lys	Gly	Lys	Ser	Thr	Arg	Lys	Glu	580	585	590	

5442

Glu Asn Thr Arg Ser Leu Leu Asn Asp Lys Arg Ala Val Ala Ala Gln
 595 600 605
 Arg Gln Arg Tyr Glu Gln Tyr Ser Val Val Val Glu Glu Val Pro Leu
 610 615 620
 Gln Pro Gly Glu Ser Leu Pro Tyr His Ser Val Tyr Tyr Glu Asp Glu
 625 630 635 640
 Tyr Asp Asp Thr Tyr Asp Gly Asn Gln Val Gly Ala Asn Asp Ala Asp
 645 650 655
 Ser Asp Asp Glu Leu Ile Ser Arg Arg Pro Phe Thr Ile Pro Gln Val
 660 665 670
 Leu Arg Thr Lys Val Pro Arg Glu Gly Gln Glu Glu Asp Asp Asp Asp
 675 680 685
 Glu Glu Asp Asp Ala Asp Glu Glu Ala Pro Lys Pro Asp His Phe Val
 690 695 700
 Gln Asp Pro Ala Val Leu Arg Glu Lys Ala Glu Ala Arg Arg Met Ala
 705 710 715 720
 Phe Leu Ala Lys Lys Gly Tyr Arg His Asp Ser Ser Thr Ala Val Ala
 725 730 735
 Gly Ser Pro Arg Gly His Gly Gln Ser Arg Glu Thr Thr Gln Glu Arg
 740 745 750
 Arg Lys Lys Glu Ala Asn Lys Ala Thr Arg Ala Asn His Asn Arg Arg
 755 760 765
 Thr Met Ala Asp Arg Lys Arg Ser Lys Gly Met Ile Pro Ser
 770 775 780

<210> 6222

<211> 345

<212> PRT

<213> Homo sapiens

<400> 6222

Ile Arg His Glu Pro Gly Ser Thr Gln Ser Lys Thr Leu Met Ala Ala
 1 5 10 15

Val Phe Leu Val Thr Leu Tyr Glu Tyr Ser Pro Leu Phe Tyr Ile Ala
 20 25 30

Val Val Phe Thr Cys Phe Ile Val Thr Thr Gly Leu Val Leu Gly Trp

5443

35					40					45					
Phe	Gly	Trp	Asp	Val	Pro	Val	Ile	Leu	Arg	Asn	Ser	Glu	Glu	Thr	Gln
50						55				60					
Phe	Ser	Thr	Arg	Val	Phe	Lys	Lys	Gln	Met	Arg	Gln	Val	Lys	Asn	Pro
65				70						75				80	
Phe	Gly	Leu	Glu	Ile	Thr	Asn	Pro	Ser	Ser	Ala	Ser	Ile	Thr	Thr	Gly
				85				90						95	
Ile	Thr	Leu	Thr	Thr	Asp	Cys	Leu	Glu	Asp	Ser	Leu	Leu	Thr	Cys	Tyr
		100						105				110			
Trp	Gly	Cys	Ser	Val	Gln	Lys	Leu	Tyr	Glu	Ala	Leu	Gln	Lys	His	Val
		115				120						125			
Tyr	Cys	Phe	Arg	Ile	Ser	Thr	Pro	Gln	Ala	Leu	Glu	Asp	Ala	Leu	Tyr
130						135				140					
Ser	Glu	Tyr	Leu	Tyr	Gln	Glu	Gln	Tyr	Phe	Ile	Lys	Lys	Asp	Ser	Lys
145				150						155				160	
Glu	Glu	Ile	Tyr	Cys	Gln	Leu	Pro	Arg	Asp	Thr	Lys	Ile	Glu	Asp	Phe
				165				170						175	
Gly	Thr	Val	Pro	Arg	Ser	Arg	Tyr	Pro	Leu	Val	Ala	Leu	Leu	Thr	Leu
		180						185				190			
Ala	Asp	Glu	Asp	Asp	Arg	Glu	Ile	Tyr	Asp	Ile	Ile	Ser	Met	Val	Ser
		195				200						205			
Val	Ile	His	Ile	Pro	Asp	Arg	Thr	Tyr	Lys	Leu	Ser	Cys	Arg	Ile	Leu
210						215				220					
Tyr	Gln	Tyr	Leu	Leu	Leu	Ala	Gln	Gly	Gln	Phe	His	Asp	Leu	Lys	Gln
225				230						235				240	
Leu	Phe	Met	Ser	Ala	Asn	Asn	Asn	Phe	Thr	Pro	Ser	Asn	Asn	Ser	Ser
				245				250						255	
Ser	Glu	Glu	Lys	Asn	Thr	Asp	Arg	Ser	Leu	Leu	Glu	Lys	Val	Gly	Leu
		260						265				270			
Ser	Glu	Ser	Glu	Val	Glu	Pro	Ser	Glu	Glu	Asn	Ser	Lys	Asp	Cys	Val
275						280						285			
Val	Cys	Gln	Asn	Gly	Thr	Val	Asn	Trp	Val	Leu	Leu	Pro	Cys	Arg	His
290						295				300					
Thr	Cys	Leu	Cys	Asp	Gly	Cys	Val	Lys	Tyr	Phe	Gln	Gln	Cys	Pro	Met

5444

305 310 315 320
 Cys Arg Gln Phe Val Gln Glu Ser Phe Ala Leu Cys Ser Gln Lys Glu
 325 330 335
 Gln Asp Lys Asp Lys Pro Lys Thr Leu
 340 345

 <210> 6223
 <211> 133
 <212> PRT
 <213> Homo sapiens

 <400> 6223
 Arg Ser Pro Thr Glu Thr Leu Phe Cys Lys Glu Pro Thr Ser Arg Ala
 1 5 10 15
 Ala Ala Ala Arg Glu Glu Ser Thr Cys Ser Ser Arg Leu Thr Val Arg
 20 25 30
 Leu Ser Ser Ala Leu Ala Gly Glu Gly Pro Gln Ala Ser Pro Thr Ala
 35 40 45
 Thr Glu Arg Ala Ser Leu Gln Gly Asn His Ile Arg His Ala Cys Ala
 50 55 60
 His Ser Arg Leu Lys Thr Ala Ser Lys Met Ser Met Lys Pro Leu Ser
 65 70 75 80
 Ser Arg Ala Val Ser Phe Asn Thr Ser Glu Tyr Tyr Leu Trp Leu Lys
 85 90 95
 Gly Cys Met Cys Ile Gly Val Cys Val Cys Val Cys Val Cys Val Phe
 100 105 110
 Gly Leu Val Trp Arg Met Lys Lys Gly Phe His Leu Gly Ile Cys Lys
 115 120 125
 Tyr Ser Met Ala Ser
 130

<210> 6224
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>

5445

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6224

Gly Thr Ala Glu Glu Leu Lys Arg Asn Ala Glu Thr Gly Asn Leu Pro
1 5 10 15

His Ser Tyr Arg Leu Ile Ser Val Val Ser His Ile Gly Ser Thr Ser
20 25 30

Ser Ser Gly His Tyr Ile Ser Asp Val Tyr Asp Ile Lys Lys Gln Ala
35 40 45

Trp Phe Thr Tyr Asn Asp Leu Glu Val Ser Lys Ile Gln Glu Ala Ala
50 55 60

Val Gln Ser Asp Arg Asp Arg Ser Gly Tyr Ile Phe Phe Tyr Met His
65 70 75 80

Lys Glu Ile Phe Asp Glu Leu Leu Glu Thr Glu Lys Asn Ser Gln Ser
85 90 95

Leu Ser Thr Glu Val Gly Lys Thr Thr Arg Gln Xaa Ser
100 105

<210> 6225

<211> 219

<212> PRT

<213> Homo sapiens

<400> 6225

Pro Gly Ala Ala Trp Ser Arg Pro Asp Leu Arg Gly Cys Cys Thr Gly
1 5 10 15

Pro Gln Pro Ala Leu Arg Met Leu Val Leu Pro Ser Pro Cys Pro Gln
20 25 30

Pro Leu Ala Phe Ser Ser Val Glu Thr Met Glu Gly Pro Pro Arg Arg
35 40 45

Thr Cys Arg Ser Pro Glu Pro Gly Pro Ser Ser Ser Ile Gly Ser Pro
50 55 60

Gln Ala Ser Ser Pro Pro Arg Pro Asn His Tyr Leu Leu Ile Asp Thr
65 70 75 80

Gln Gly Val Pro Tyr Thr Val Leu Val Asp Glu Glu Ser Gln Arg Glu
85 90 95

5446

Pro Gly Ala Ser Gly Ala Pro Gly Gln Lys Lys Cys Tyr Ser Cys Pro
 100 105 110
 Val Cys Ser Arg Val Phe Glu Tyr Met Ser Tyr Leu Gln Arg His Ser
 115 120 125
 Ile Thr His Ser Glu Val Lys Pro Phe Glu Cys Asp Ile Cys Gly Lys
 130 135 140
 Ala Phe Lys Arg Ala Ser His Leu Ala Arg His His Ser Ile His Leu
 145 150 155 160
 Ala Gly Gly Gly Arg Pro His Gly Cys Pro Leu Cys Pro Arg Arg Phe
 165 170 175
 Arg Asp Ala Gly Glu Leu Ala Gln His Ser Arg Val His Ser Gly Glu
 180 185 190
 Arg Pro Phe Gln Cys Pro His Cys Pro Arg Arg Phe Met Glu Gln Asn
 195 200 205
 Thr Leu Gln Lys His Thr Arg Trp Lys His Pro
 210 215

<210> 6226

<211> 163

<212> PRT

<213> Homo sapiens

<400> 6226

Val Tyr Leu Phe Ile Tyr Phe Arg Asn Lys Ser Leu Gly Asp Lys Ser
 1 5 10 15
 Glu Thr Leu Ser Pro Lys Lys Lys Lys Lys Lys Lys Lys Asn Trp Ile
 20 25 30
 Ala Trp Leu Tyr Ser Gly His Ser Met Gln Ala Gln Phe Cys Cys Ser
 35 40 45
 Ala Val Cys Ser Ala Phe Leu His Ile Leu Ala Ser Pro Ser Gly Ala
 50 55 60
 Lys Met Ala Ala Ala Phe Gln Ala Ser His Pro Asp Ser Asp Pro Glu
 65 70 75 80
 Lys Leu Pro Ile Pro Thr Trp Val Ser Leu Cys Arg Asn Glu Lys Pro
 85 90 95

5447

His Pro Ala Ala Glu Thr Ser Pro Ser Ser Val Phe Ser Gly Leu Ile
100 105 110

His Gln Arg Arg Pro Pro Leu Asn Gln Ser Leu Ala Lys Arg Met Gly
115 120 125

Pro Pro Gly Arg Leu Asp Gln Thr Gly Pro Ala Leu Trp Gly Trp Gly
130 135 140

Glu Ala Gln Met Lys Ala Ala Gly Gln Asp Gly Leu Leu Asp Leu Cys
145 150 155 160

Tyr Gln Gln

<210> 6227

<211> 185

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

5448

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6227

His	Arg	Arg	Lys	Gly	Lys	Asp	Arg	Val	Arg	Gln	Gly	Ala	Trp	Gly	Gly
1				5				10					15		

Ala	Met	Val	Pro	Met	His	Leu	Leu	Gly	Arg	Leu	Glu	Lys	Pro	Leu	Leu
			20					25					30		

Leu	Leu	Cys	Cys	Ala	Ser	Phe	Leu	Leu	Gly	Leu	Ala	Leu	Leu	Gly	Ile
		35					40					45			

Lys	Thr	Asp	Ile	Thr	Pro	Val	Ala	Tyr	Phe	Phe	Leu	Thr	Leu	Gly	Gly
	50					55					60				

Phe	Phe	Leu	Phe	Ala	Tyr	Leu	Leu	Val	Arg	Phe	Leu	Glu	Trp	Gly	Leu
65					70					75					80

Arg	Ser	Gln	Leu	Gln	Ser	Met	Gln	Thr	Xaa	Ser	Pro	Gly	Xaa	Ser	Gly
				85					90					95	

Asn	Ala	Arg	Asp	Asn	Glu	Ala	Phe	Glu	Val	Pro	Val	Tyr	Glu	Glu	Ala
			100					105					110		

Val	Val	Gly	Leu	Glu	Ser	Gln	Cys	Arg	Pro	Lys	Ser	Trp	Thr	Asn	His
		115					120					125			

Pro	Pro	Thr	Ala	Thr	Gly	Gly	Asp	Thr	Pro	Ser	Thr	Leu	Xaa	Xaa	Glu
		130				135					140				

Gln	Pro	Ser	Pro	Phe	Gln	Lys	Gly	Ser	Arg	Xaa	Lys	Pro	Lys	Leu	Gly
145					150					155					160

Thr	Glu	Ala	Glu	Trp	Ala	Leu	Xaa	Gly	Gly	Pro	Met	Gly	Pro	Arg	Lys
				165					170					175	

Gly	Xaa	Pro	Trp	Glu	Glu	Leu	Pro	Asn
			180					185

<210> 6228

<211> 58

<212> PRT

<213> Homo sapiens

<220>

5449

<221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6228
 Val Leu Leu Ser Gln Leu Gln Arg Ala Gly Ala Arg Xaa Pro Ser Gly
 1 5 10 15
 Leu Pro Gly Ala Pro Gly Thr Ala Leu His His Pro Pro Arg Glu Gly
 20 25 30
 Asp Ser Glu Ala Gln Xaa Gly Pro Xaa Pro Thr Glu Pro Thr Pro Pro
 35 40 45
 Tyr Ser Ser Xaa Leu Lys Asn Ile Xaa Gly
 50 55

<210> 6229
 <211> 231
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

5450

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6229

Met	Ser	Tyr	Cys	Asp	Glu	Ser	Arg	Leu	Ser	Asn	Leu	Leu	Arg	Arg	Ile
1				5					10					15	

Thr	Arg	Glu	Xaa	Asp	Arg	Asp	Xaa	Arg	Leu	Xaa	Thr	Val	Lys	Gln	Leu
		20						25					30		

Lys	Glu	Phe	Ile	Gln	Gln	Pro	Glu	Asn	Lys	Leu	Val	Leu	Val	Lys	Gln
		35					40					45			

Leu	Asp	Ile	Leu	Ala	Ala	Xaa	His	Asp	Val	Leu	Asn	Glu	Ser	Ser	Lys
	50					55					60				

Leu	Leu	Gln	Glu	Leu	Arg	Gln	Glu	Gly	Ala	Cys	Cys	Leu	Gly	Leu	Leu
65					70					75					80

Cys	Ala	Ser	Leu	Ser	Tyr	Glu	Ala	Glu	Lys	Ile	Phe	Lys	Trp	Ile	Phe
				85					90					95	

5451

Ser Lys Phe Ser Ser Ser Ala Lys Asp Glu Val Lys Leu Leu Tyr Leu
 100 105 110
 Cys Ala Thr Tyr Lys Ala Leu Glu Thr Val Gly Glu Lys Lys Ala Phe
 115 120 125
 Ser Ser Val Met Gln Leu Val Met Thr Ser Leu Gln Ser Ile Leu Glu
 130 135 140
 Asn Val Asp Thr Pro Glu Leu Leu Cys Lys Cys Val Lys Cys Ile Leu
 145 150 155 160
 Leu Val Ala Arg Cys Tyr Pro His Ile Phe Ser Xaa Asn Phe Arg Asp
 165 170 175
 Thr Val Xaa Ile Leu Val Gly Trp His Arg Asp His Thr Gln Lys Pro
 180 185 190
 Ser Leu Thr Gln Gln Val Ser Gly Trp Leu Gln Ser Leu Glu Pro Phe
 195 200 205
 Trp Val Ala Asp Leu Ala Phe Xaa Thr Xaa Leu Leu Gly Ser Val Ser
 210 215 220
 Arg Arg His Gly Ser Ile Cys
 225 230

<210> 6230

<211> 305

<212> PRT

<213> Homo sapiens

<400> 6230

Asp Trp Val Ser Val Gly Gly Ala Trp Val Trp Arg Ala Gly Gln Gly
 1 5 10 15
 Leu Leu Gly Leu Gly Asp Gly Asp Gly Ala Gly Ser Gln Arg Arg Gln
 20 25 30
 Gly Leu Arg Ala Glu Glu Arg Thr Trp Ser Pro Gly Ser Arg Val Gly
 35 40 45
 Asp Ala Ala Arg His Arg Cys Phe Leu Lys Val Ser Arg Leu Glu Ala
 50 55 60
 Gln Leu Leu Leu Glu Arg Tyr Pro Glu Cys Gly Asn Leu Leu Leu Arg
 65 70 75 80

5452

Pro Ser Gly Asp Gly Ala Asp Gly Val Ser Val Thr Thr Arg Gln Met
 85 90 95
 His Asn Gly Thr His Val Val Arg His Tyr Lys Val Lys Arg Glu Gly
 100 105 110
 Pro Lys Tyr Val Ile Asp Val Glu Gln Pro Phe Ser Cys Thr Ser Leu
 115 120 125
 Asp Ala Val Val Asn Tyr Phe Val Ser His Thr Lys Lys Ala Leu Val
 130 135 140
 Pro Phe Leu Leu Asp Glu Asp Tyr Glu Lys Val Leu Gly Tyr Val Glu
 145 150 155 160
 Ala Asp Lys Glu Asn Gly Glu Asn Val Trp Val Ala Pro Ser Ala Pro
 165 170 175
 Gly Pro Gly Pro Ala Pro Cys Thr Gly Gly Pro Lys Pro Leu Ser Pro
 180 185 190
 Ala Ser Ser Gln Asp Lys Leu Pro Pro Leu Pro Pro Leu Pro Asn Gln
 195 200 205
 Glu Glu Asn Tyr Val Thr Pro Ile Gly Asp Gly Pro Ala Val Asp Tyr
 210 215 220
 Glu Asn Gln Asp Val Ala Ser Ser Ser Trp Pro Val Ile Leu Lys Pro
 225 230 235 240
 Lys Lys Leu Pro Lys Pro Pro Ala Lys Leu Pro Lys Pro Pro Val Gly
 245 250 255
 Pro Lys Pro Glu Pro Lys Val Phe Asn Gly Gly Leu Gly Arg Lys Leu
 260 265 270
 Pro Val Ser Ser Ala Gln Pro Leu Phe Pro Thr Ala Gly Leu Ala Asp
 275 280 285
 Met Thr Ala Glu Leu Gln Lys Lys Leu Glu Lys Arg Arg Ala Leu Glu
 290 295 300

His
 305

<210> 6231
 <211> 210
 <212> PRT
 <213> Homo sapiens

5453

<400> 6231

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Thr Met Ala Ser Met Gly Leu Gln Val Met Gly Ile Ala Leu Ala Val
 1             5             10             15

Leu Gly Trp Leu Ala Val Met Leu Cys Cys Ala Leu Pro Met Trp Arg
          20             25             30

Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser Gln Thr Ile Trp
          35             40             45

Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr Gly Gln Met Gln
          50             55             60

Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala
 65             70             75             80

Ala Arg Ala Leu Val Ile Ile Ser Ile Ile Val Ala Ala Leu Gly Val
          85             90             95

Leu Leu Ser Val Val Gly Gly Lys Cys Thr Asn Cys Leu Glu Asp Glu
          100            105            110

Ser Ala Lys Ala Lys Thr Met Ile Val Ala Gly Val Val Phe Leu Leu
          115            120            125

Ala Gly Leu Met Val Ile Val Pro Val Ser Trp Thr Ala His Asn Ile
          130            135            140

Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala Ser Gly Gln Lys Arg Glu
          145            150            155            160

Met Gly Ala Ser Leu Tyr Val Gly Trp Ala Ala Ser Gly Leu Leu Leu
          165            170            175

Leu Gly Gly Gly Leu Leu Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys
          180            185            190

Pro Tyr Ser Ala Lys Tyr Ser Ala Ala Arg Ser Ala Ala Ala Ser Asn
          195            200            205

Tyr Val
          210

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<210> 6232

<211> 88

<212> PRT

<213> Homo sapiens

5454

<400> 6232

Ser Phe Asn Pro Trp Pro Pro Pro Arg Asn Ser Asp Phe Ser Arg Glu
 1 5 10 15
 Glu Glu Ala Ala Gly Ala Val Gly Leu Gly Leu His Arg Ala Gly Arg
 20 25 30
 Ala Val Gly Lys Ala Gly Glu Leu Leu Cys Cys Trp Ala Ser Leu Trp
 35 40 45
 Pro Ser Leu Pro Thr Leu Arg Cys Met Lys Cys Met Tyr Arg Pro Glu
 50 55 60
 Met Phe Ile Gln Pro Ile Lys Met Glu Phe Pro Tyr Leu Ser Val Lys
 65 70 75 80
 Lys Lys Lys Lys Lys Lys Leu Glu
 85

<210> 6233

<211> 33

<212> PRT

<213> Homo sapiens

<400> 6233

Asp Asn Lys Leu Ile Leu Asn Ala Ile Tyr Val Leu Ser Leu Leu Trp
 1 5 10 15
 His Leu Phe Arg Ser Cys Ser Asn His Cys Ser Arg Ala Leu Gln Ile
 20 25 30
 Lys

<210> 6234

<211> 63

<212> PRT

<213> Homo sapiens

<400> 6234

Leu Leu Leu Leu Leu Gly Met Ala Ala Arg Ile Val Glu Arg Arg Gly
 1 5 10 15
 Leu Glu Ser Trp Ser Asn Pro Gly Leu Lys Ser Gly Leu Val Ile Phe
 20 25 30
 Gln Leu Leu Ser Trp Val Ser Phe Ala Asn Phe Leu Ser Phe Ile Ser

35 40 45

Leu Ile Asn Thr Val Gly His Asn Ser Tyr Ser Cys Ile Glu Asn
50 55 60

<210> 6235
<211> 178
<212> PRT
<213> Homo sapiens

<400> 6235
Gln Leu Leu Asp Lys His Ser Ala Ala Gly Phe Ala Met Ala Ala Ile
1 5 10 15
Pro Pro Asp Ser Trp Gln Pro Pro Asn Val Tyr Leu Glu Thr Ser Met
20 25 30
Gly Ile Ile Val Leu Glu Leu Tyr Trp Lys His Ala Pro Lys Thr Cys
35 40 45
Lys Asn Phe Ala Glu Leu Ala Arg Arg Gly Tyr Tyr Asn Gly Thr Lys
50 55 60
Phe His Arg Ile Ile Lys Asp Phe Met Ile Gln Gly Gly Asp Pro Thr
65 70 75 80
Gly Thr Gly Arg Gly Gly Ala Ser Ile Tyr Gly Lys Gln Phe Glu Asp
85 90 95
Glu Leu His Pro Asp Leu Lys Phe Thr Gly Ala Gly Ile Leu Ala Met
100 105 110
Ala Asn Ala Gly Pro Asp Thr Asn Gly Ser Gln Phe Phe Val Thr Leu
115 120 125
Ala Pro Thr Gln Trp Leu Asp Gly Lys His Thr Ile Phe Gly Arg Val
130 135 140
Cys Gln Gly Ile Gly Met Val Asn Arg Val Gly Met Val Glu Thr Asn
145 150 155 160
Ser Gln Asp Arg Pro Val Asp Asp Val Lys Ile Ile Lys Ala Tyr Pro
165 170 175
Ser Gly

5456

<210> 6236

<211> 175

<212> PRT

<213> Homo sapiens

<400> 6236

Met Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
 1 5 10 15

Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
 20 25 30

Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
 35 40 45

Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
 50 55 60

Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
 65 70 75 80

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
 85 90 95

Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
 100 105 110

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
 115 120 125

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
 130 135 140

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
 145 150 155 160

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
 165 170 175

<210> 6237

<211> 461

<212> PRT

<213> Homo sapiens

<400> 6237

Thr Arg Pro Lys Leu Cys Ala Gly Ile Met Ile Thr Ala Ser His Asn
 1 5 10 15

Pro Lys Gln Asp Asn Gly Tyr Lys Val Tyr Trp Asp Asn Gly Ala Gln

5457

				20				25				30			
Ile	Ile	Ser	Pro	His	Asp	Lys	Gly	Ile	Ser	Gln	Ala	Ile	Glu	Glu	Asn
		35					40					45			
Leu	Glu	Pro	Trp	Pro	Gln	Ala	Trp	Asp	Asp	Ser	Leu	Ile	Asp	Ser	Ser
		50					55					60			
Pro	Leu	Leu	His	Asn	Pro	Ser	Ala	Ser	Ile	Asn	Asn	Asp	Tyr	Phe	Glu
		65					70					75			
Asp	Leu	Lys	Lys	Tyr	Cys	Phe	His	Arg	Ser	Val	Asn	Arg	Glu	Thr	Lys
				85					90					95	
Val	Lys	Phe	Val	His	Thr	Ser	Val	His	Gly	Val	Gly	His	Ser	Phe	Val
				100					105					110	
Gln	Ser	Ala	Phe	Lys	Ala	Phe	Asp	Leu	Val	Pro	Pro	Glu	Ala	Val	Pro
				115					120					125	
Glu	Gln	Lys	Asp	Pro	Asp	Pro	Glu	Phe	Pro	Thr	Val	Lys	Tyr	Pro	Asn
						135							140		
Pro	Glu	Glu	Gly	Lys	Gly	Val	Leu	Thr	Leu	Ser	Phe	Ala	Leu	Ala	Asp
						150							155		
Lys	Thr	Lys	Ala	Arg	Ile	Val	Leu	Ala	Asn	Asp	Pro	Asp	Ala	Asp	Arg
						165									175
Leu	Ala	Val	Ala	Glu	Lys	Gln	Asp	Ser	Gly	Glu	Trp	Arg	Val	Phe	Ser
Gly	Asn	Glu	Leu	Gly	Ala	Leu	Leu	Gly	Trp	Trp	Leu	Phe	Thr	Ser	Trp
Lys	Glu	Lys	Asn	Gln	Asp	Arg	Ser	Ala	Leu	Lys	Asp	Thr	Tyr	Met	Leu
Ser	Ser	Thr	Val	Ser	Ser	Lys	Ile	Leu	Arg	Ala	Ile	Ala	Leu	Lys	Glu
Gly	Phe	His	Phe	Glu	Glu	Thr	Leu	Thr	Gly	Phe	Lys	Trp	Met	Gly	Asn
Arg	Ala	Lys	Gln	Leu	Ile	Asp	Gln	Gly	Lys	Thr	Val	Leu	Phe	Ala	Phe
Glu	Glu	Ala	Ile	Gly	Tyr	Met	Cys	Cys	Pro	Phe	Val	Leu	Asp	Lys	Asp
Gly	Val	Ser	Ala	Ala	Val	Ile	Ser	Ala	Glu	Leu	Ala	Ser	Phe	Leu	Ala

5458

290		295		300
Thr Lys Asn Leu Ser Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu				
305		310		315 320
Tyr Gly Tyr His Ile Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln				
	325		330	335
Glu Thr Ile Lys Lys Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys				
	340		345	350
Asn Asn Tyr Pro Lys Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg				
	355		360	365
Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val				
	370		375	380
Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn				
385		390		395 400
Gly Gly Val Ala Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys				
	405		410	415
Tyr Tyr Ala Glu Leu Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln				
	420		425	430
Leu Lys Lys Glu Leu Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe				
	435		440	445
Phe Gln Pro Gln Lys Tyr Asn Leu Gln Pro Lys Ala Asp				
	450		455	460

<210> 6238

<211> 925

<212> PRT

<213> Homo sapiens

<400> 6238

Ala Arg Gly Glu Ile Thr Gly Arg Cys Thr Ala Met Gly Pro Phe Lys				
1		5		10 15
Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu Glu Gly Ala Leu Ser				
	20		25	30
Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr Glu Gly Ile Val Val				
	35		40	45
Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr Leu Ile Gln Gln Ile				
	50		55	60

5459

Lys	Asp	Met	Val	Thr	Gln	Ala	Ser	Leu	Tyr	Leu	Phe	Glu	Ala	Thr	Gly	65	70	75	80
Lys	Arg	Phe	Tyr	Phe	Lys	Asn	Val	Ala	Ile	Leu	Ile	Pro	Glu	Thr	Trp	85	90	95	
Lys	Thr	Lys	Ala	Asp	Tyr	Val	Arg	Pro	Lys	Leu	Glu	Thr	Tyr	Lys	Asn	100	105	110	
Ala	Asp	Val	Leu	Val	Ala	Glu	Ser	Thr	Pro	Pro	Gly	Asn	Asp	Glu	Pro	115	120	125	
Tyr	Thr	Glu	Gln	Met	Gly	Asn	Cys	Gly	Glu	Lys	Gly	Glu	Arg	Ile	His	130	135	140	
Leu	Thr	Pro	Asp	Phe	Ile	Ala	Gly	Lys	Lys	Leu	Ala	Glu	Tyr	Gly	Pro	145	150	155	160
Gln	Gly	Arg	Ala	Phe	Val	His	Glu	Trp	Ala	His	Leu	Arg	Trp	Gly	Val	165	170	175	
Phe	Asp	Glu	Tyr	Asn	Asn	Asp	Glu	Lys	Phe	Tyr	Leu	Ser	Asn	Gly	Arg	180	185	190	
Ile	Gln	Ala	Val	Arg	Cys	Ser	Ala	Gly	Ile	Thr	Gly	Thr	Asn	Val	Val	195	200	205	
Lys	Lys	Cys	Gln	Gly	Gly	Ser	Cys	Tyr	Thr	Lys	Arg	Cys	Thr	Phe	Asn	210	215	220	
Lys	Val	Thr	Gly	Leu	Tyr	Glu	Lys	Gly	Cys	Glu	Phe	Val	Leu	Gln	Ser	225	230	235	240
Arg	Gln	Thr	Glu	Lys	Ala	Ser	Ile	Met	Phe	Ala	Gln	His	Val	Asp	Ser	245	250	255	
Ile	Val	Glu	Phe	Cys	Thr	Glu	Gln	Asn	His	Asn	Lys	Glu	Ala	Pro	Asn	260	265	270	
Lys	Gln	Asn	Gln	Lys	Cys	Asn	Leu	Arg	Ser	Thr	Trp	Glu	Val	Ile	Arg	275	280	285	
Asp	Ser	Glu	Asp	Phe	Lys	Lys	Thr	Thr	Pro	Met	Thr	Thr	Gln	Pro	Pro	290	295	300	
Asn	Pro	Thr	Phe	Ser	Leu	Leu	Gln	Ile	Gly	Gln	Arg	Ile	Val	Cys	Leu	305	310	315	320
Val	Leu	Asp	Lys	Ser	Gly	Ser	Met	Ala	Thr	Gly	Asn	Arg	Leu	Asn	Arg	325	330	335	

5460

Leu	Asn	Gln	Ala	Gly	Gln	Leu	Phe	Leu	Leu	Gln	Thr	Val	Glu	Leu	Gly	340	345	350	
Ser	Trp	Val	Gly	Met	Val	Thr	Phe	Asp	Ser	Ala	Ala	His	Val	Gln	Ser	355	360	365	
Glu	Leu	Ile	Gln	Ile	Asn	Ser	Gly	Ser	Asp	Arg	Asp	Thr	Leu	Ala	Lys	370	375	380	
Arg	Leu	Pro	Ala	Ala	Ala	Ser	Gly	Gly	Thr	Ser	Ile	Cys	Ser	Gly	Leu	385	390	395	400
Arg	Ser	Ala	Phe	Thr	Val	Ile	Arg	Lys	Lys	Tyr	Pro	Thr	Asp	Gly	Ser	405	410	415	
Glu	Ile	Val	Leu	Leu	Thr	Asp	Gly	Glu	Asp	Asn	Thr	Ile	Ser	Gly	Cys	420	425	430	
Phe	Asn	Glu	Val	Lys	Gln	Ser	Gly	Ala	Ile	Ile	His	Thr	Val	Ala	Leu	435	440	445	
Gly	Pro	Ser	Ala	Ala	Gln	Glu	Leu	Glu	Glu	Leu	Ser	Lys	Met	Thr	Gly	450	455	460	
Gly	Leu	Gln	Thr	Tyr	Ala	Ser	Asp	Gln	Val	Gln	Asn	Asn	Gly	Leu	Ile	465	470	475	480
Asp	Ala	Phe	Gly	Ala	Leu	Ser	Ser	Gly	Asn	Gly	Ala	Val	Ser	Gln	Arg	485	490	495	
Ser	Ile	Gln	Leu	Glu	Ser	Lys	Gly	Leu	Thr	Leu	Gln	Asn	Ser	Gln	Trp	500	505	510	
Met	Asn	Gly	Thr	Val	Ile	Val	Asp	Ser	Thr	Val	Gly	Lys	Asp	Thr	Leu	515	520	525	
Phe	Leu	Ile	Thr	Trp	Thr	Thr	Gln	Pro	Pro	Gln	Ile	Leu	Leu	Trp	Asp	530	535	540	
Pro	Ser	Gly	Gln	Lys	Gln	Gly	Gly	Phe	Val	Val	Asp	Lys	Asn	Thr	Lys	545	550	555	560
Met	Ala	Tyr	Leu	Gln	Ile	Pro	Gly	Ile	Ala	Lys	Val	Gly	Thr	Trp	Lys	565	570	575	
Tyr	Ser	Leu	Gln	Ala	Ser	Ser	Gln	Thr	Leu	Thr	Leu	Thr	Val	Thr	Ser	580	585	590	
Arg	Ala	Ser	Asn	Ala	Thr	Leu	Pro	Pro	Ile	Thr	Val	Thr	Ser	Lys	Thr	595	600	605	

5461

Asn	Lys	Asp	Thr	Ser	Lys	Phe	Pro	Ser	Pro	Leu	Val	Val	Tyr	Ala	Asn	610	615	620	
Ile	Arg	Gln	Gly	Ala	Ser	Pro	Ile	Leu	Arg	Ala	Ser	Val	Thr	Ala	Leu	625	630	635	640
Ile	Glu	Ser	Val	Asn	Gly	Lys	Thr	Val	Thr	Leu	Glu	Leu	Leu	Asp	Asn	645	650	655	
Gly	Ala	Gly	Ala	Asp	Ala	Thr	Lys	Asp	Asp	Gly	Val	Tyr	Ser	Arg	Tyr	660	665	670	
Phe	Thr	Thr	Tyr	Asp	Thr	Asn	Gly	Arg	Tyr	Ser	Val	Lys	Val	Arg	Ala	675	680	685	
Leu	Gly	Gly	Val	Asn	Ala	Ala	Arg	Arg	Arg	Val	Ile	Pro	Gln	Gln	Ser	690	695	700	
Gly	Ala	Leu	Tyr	Ile	Pro	Gly	Trp	Ile	Glu	Asn	Asp	Glu	Ile	Gln	Trp	705	710	715	720
Asn	Pro	Pro	Arg	Pro	Glu	Ile	Asn	Lys	Asp	Asp	Val	Gln	His	Lys	Gln	725	730	735	
Val	Cys	Phe	Ser	Arg	Thr	Ser	Ser	Gly	Gly	Ser	Phe	Val	Ala	Ser	Asp	740	745	750	
Val	Pro	Asn	Ala	Pro	Ile	Pro	Asp	Leu	Phe	Pro	Pro	Gly	Gln	Ile	Thr	755	760	765	
Asp	Leu	Lys	Ala	Glu	Ile	His	Gly	Gly	Ser	Leu	Ile	Asn	Leu	Thr	Trp	770	775	780	
Thr	Ala	Pro	Gly	Asp	Asp	Tyr	Asp	His	Gly	Thr	Ala	His	Lys	Tyr	Ile	785	790	795	800
Ile	Arg	Ile	Ser	Thr	Ser	Ile	Leu	Asp	Leu	Arg	Asp	Lys	Phe	Asn	Glu	805	810	815	
Ser	Leu	Gln	Val	Asn	Thr	Thr	Ala	Leu	Ile	Pro	Lys	Glu	Ala	Asn	Ser	820	825	830	
Glu	Glu	Val	Phe	Leu	Phe	Lys	Pro	Glu	Asn	Ile	Thr	Phe	Glu	Asn	Gly	835	840	845	
Thr	Asp	Leu	Phe	Ile	Ala	Ile	Gln	Ala	Val	Asp	Lys	Val	Asp	Leu	Lys	850	855	860	
Ser	Glu	Ile	Ser	Asn	Ile	Ala	Arg	Val	Ser	Leu	Phe	Ile	Pro	Pro	Gln	865	870	875	880

5462

Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr Ser Ala Pro Cys Pro
 885 890 895

Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile His Ile Leu Lys Ile
 900 905 910

Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser Ile Ala
 915 920 925

<210> 6239

<211> 311

<212> PRT

<213> Homo sapiens

<400> 6239

Val Leu Lys Phe Leu Leu Leu Gln Thr Met Asp Glu Gln Ser Gln Gly
 1 5 10 15

Met Gln Gly Pro Pro Val Pro Gln Phe Gln Pro Gln Lys Ala Leu Arg
 20 25 30

Pro Asp Met Gly Tyr Asn Thr Leu Ala Asn Phe Arg Ile Glu Lys Lys
 35 40 45

Ile Gly Arg Gly Gln Phe Ser Glu Val Tyr Arg Ala Ala Cys Leu Leu
 50 55 60

Asp Gly Val Pro Val Ala Leu Lys Lys Val Gln Ile Phe Asp Leu Met
 65 70 75 80

Asp Ala Lys Ala Arg Ala Asp Cys Ile Lys Glu Ile Asp Leu Leu Lys
 85 90 95

Gln Leu Asn His Pro Asn Val Ile Lys Tyr Tyr Ala Ser Phe Ile Glu
 100 105 110

Asp Asn Glu Leu Asn Ile Val Leu Glu Leu Ala Asp Ala Gly Asp Leu
 115 120 125

Ser Arg Met Ile Lys His Phe Lys Lys Gln Lys Arg Leu Ile Pro Glu
 130 135 140

Arg Thr Val Trp Lys Tyr Phe Val Gln Leu Cys Ser Ala Leu Glu His
 145 150 155 160

Met His Ser Arg Arg Val Met His Arg Asp Ile Lys Pro Ala Asn Val
 165 170 175

5463

Phe Ile Thr Ala Thr Gly Val Val Lys Leu Gly Asp Leu Gly Leu Gly
 180 185 190
 Arg Phe Phe Ser Ser Lys Thr Thr Ala Ala His Ser Leu Val Gly Thr
 195 200 205
 Pro Tyr Tyr Met Ser Pro Glu Arg Ile His Glu Asn Gly Tyr Asn Phe
 210 215 220
 Lys Ser Asp Ile Trp Ser Leu Gly Cys Leu Leu Tyr Glu Met Ala Ala
 225 230 235 240
 Leu Gln Ser Pro Phe Tyr Gly Asp Lys Met Asn Leu Tyr Ser Leu Cys
 245 250 255
 Lys Lys Ile Glu Gln Cys Asp Tyr Pro Pro Leu Pro Ser Asp His Tyr
 260 265 270
 Ser Glu Glu Leu Arg Gln Leu Val Asn Met Cys Ile Asn Pro Asp Pro
 275 280 285
 Glu Lys Arg Pro Asp Val Thr Tyr Val Tyr Asp Val Ala Lys Arg Met
 290 295 300
 His Ala Cys Thr Ala Ser Ser
 305 310

<210> 6240

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5464

<222> (254)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6240

Gly	Gly	His	Leu	Leu	Pro	Gly	Pro	Ala	Ala	Val	His	Cys	Ala	Ser	Xaa
1				5					10					15	

Val	Leu	Leu	His	Pro	Pro	Pro	Ala	Asp	Leu	Cys	Trp	Tyr	Cys	Arg	Asp
			20					25					30		

Trp	Phe	Leu	Lys	Gly	Asn	Leu	Leu	Ile	Ile	Ile	Val	Ser	Val	Leu	Ile
		35				40						45			

Ile	Leu	Pro	Leu	Ala	Leu	Met	Lys	His	Leu	Gly	Tyr	Leu	Gly	Tyr	Thr
	50					55					60				

Ser	Gly	Leu	Ser	Leu	Thr	Cys	Met	Leu	Phe	Phe	Leu	Val	Ser	Val	Ile
65					70					75					80

Tyr	Lys	Lys	Phe	Gln	Leu	Gly	Cys	Ala	Ile	Gly	His	Asn	Glu	Thr	Ala
				85					90					95	

Met	Glu	Ser	Glu	Ala	Leu	Val	Gly	Leu	Pro	Ser	Gln	Gly	Leu	Asn	Ser
			100					105					110		

Ser	Cys	Glu	Ala	Gln	Met	Phe	Thr	Val	Asp	Ser	Gln	Met	Ser	Tyr	Thr
		115					120					125			

Val	Pro	Ile	Met	Ala	Phe	Ala	Phe	Val	Cys	His	Pro	Glu	Val	Leu	Pro
	130					135					140				

Ile	Tyr	Thr	Glu	Leu	Cys	Arg	Ser	Thr	Thr	Ser	Thr	Pro	Gln	Ala	Leu
145					150					155					160

Gln	Ala	Gln	Asp	Ala	Gly	Arg	Gly	Gln	Arg	Val	His	Trp	Gly	His	Val
			165					170						175	

Leu	His	Val	Trp	Ala	His	Ser	Asn	Leu	Trp	Ile	Pro	His	Leu	Leu	Gln
		180						185					190		

Gln	Cys	Glu	Gly	Gly	Asp	Ala	Ala	His	Val	Gln	Pro	Glu	Gly	Pro	Ala
		195					200					205			

His	Pro	Leu	Cys	Ala	Pro	Gly	Arg	Ala	Ala	Ser	Xaa	Val	Thr	Pro	His
		210				215					220				

5465

Cys Ala Ser Arg Ala Gly Ser Tyr Pro Pro Gly Pro Gly Ser Asn Cys
 225 230 235 240

Phe Ser Gln Ala Arg Ala Phe Xaa Leu Ala Thr Thr Leu Xaa Ala Ile
 245 250 255

Ser Xaa

<210> 6241

<211> 149

<212> PRT

<213> Homo sapiens

<400> 6241

Val His Leu Leu Leu Phe Ser Arg Pro Tyr Asp Gly Lys Trp Ser Lys
 1 5 10 15

Thr Met Val Gly Phe Gly Pro Glu Asp Asp His Phe Val Ala Glu Leu
 20 25 30

Thr Tyr Asn Tyr Gly Val Gly Asp Tyr Lys Leu Gly Asn Asp Phe Met
 35 40 45

Gly Ile Thr Leu Ala Ser Ser Gln Ala Val Ser Asn Ala Arg Lys Leu
 50 55 60

Glu Trp Pro Leu Thr Glu Val Ala Glu Gly Val Phe Glu Thr Glu Ala
 65 70 75 80

Pro Gly Gly Tyr Lys Phe Tyr Leu Gln Asn Arg Ser Leu Pro Gln Ser
 85 90 95

Asp Pro Val Leu Lys Val Thr Leu Ala Val Ser Asp Leu Gln Lys Ser
 100 105 110

Leu Asn Tyr Trp Cys Asn Leu Leu Gly Met Lys Ile Tyr Glu Lys Asp
 115 120 125

Glu Glu Lys Gln Arg Ala Leu Leu Gly Tyr Ala Asp Asn Gln Val Ser
 130 135 140

Asn Leu Gly Glu Glu
 145

<210> 6242

<211> 126

5466

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6242

Leu	Ser	Leu	Arg	Thr	Arg	Glu	Thr	Pro	Ala	Pro	Pro	Arg	Cys	Glu	Ala
1				5					10					15	

Ala	Ser	Gln	Gly	Arg	Val	Gly	Trp	Arg	Ala	Asp	Ala	Ala	Ala	Glu	Glu
			20					25					30		

Ala	Val	Arg	Ser	Val	Trp	Asn	Arg	Thr	Arg	Asp	Arg	Gly	Thr	Met	Ala
		35					40					45			

Pro	Gln	Asn	Leu	Ser	Thr	Phe	Cys	Leu	Leu	Leu	Leu	Tyr	Leu	Ile	Gly
	50					55					60				

Ala	Val	Ile	Ala	Gly	Arg	Asp	Phe	Tyr	Lys	Ile	Leu	Gly	Val	Pro	Arg
65					70					75					80

Ser	Ala	Ser	Ile	Lys	Asp	Ile	Lys	Lys	Ala	Tyr	Arg	Lys	Leu	Ala	Leu
				85					90					95	

Gln	Leu	His	Pro	Asp	Arg	Asn	Pro	Asp	Asp	Pro	Gln	Ala	Gln	Glu	Lys
			100					105					110		

Phe	Gln	Asp	Leu	Gly	Ala	Ala	Tyr	Glu	Val	Leu	Val	Arg	Xaa
	115						120					125	

<210> 6243

<211> 384

<212> PRT

<213> Homo sapiens

<400> 6243

Gly	Ile	Leu	Ala	His	Ser	Leu	Ser	Pro	Thr	Leu	Leu	Ser	His	Arg	Cys
1				5					10					15	

Gln	Glu	Glu	Cys	Pro	Phe	Gly	Ser	Phe	Gly	Phe	Gln	Cys	Ser	Gln	Arg
			20					25					30		

Cys	Asp	Cys	His	Asn	Gly	Gly	Gln	Cys	Ser	Pro	Thr	Thr	Gly	Ala	Cys
	35						40					45			

Glu	Cys	Glu	Pro	Gly	Tyr	Lys	Gly	Pro	Arg	Cys	Gln	Glu	Arg	Leu	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5467

50		55		60
Pro Glu Gly Leu His Gly	Pro Gly Cys Thr Leu	Pro Cys Pro Cys Asp		
65	70	75	80	
Ala Asp Asn Thr Ile Ser Cys His Pro Val Thr Gly Ala Cys Thr Cys				
	85	90	95	
Gln Pro Gly Trp Ser Gly His His Cys Asn Glu Ser Cys Pro Val Gly				
	100	105	110	
Tyr Tyr Gly Asp Gly Cys Gln Leu Pro Cys Thr Cys Gln Asn Gly Ala				
	115	120	125	
Asp Cys His Ser Ile Thr Gly Gly Cys Thr Cys Ala Pro Gly Phe Met				
	130	135	140	
Gly Glu Val Cys Ala Val Ser Cys Ala Ala Gly Thr Tyr Gly Pro Asn				
	145	150	155	160
Cys Ser Ser Ile Cys Ser Cys Asn Asn Gly Gly Thr Cys Ser Pro Val				
	165	170	175	
Asp Gly Ser Cys Thr Cys Lys Glu Gly Trp Gln Gly Leu Asp Cys Thr				
	180	185	190	
Leu Pro Cys Pro Ser Gly Thr Trp Gly Leu Asn Cys Asn Glu Ser Cys				
	195	200	205	
Thr Cys Ala Asn Gly Ala Ala Cys Ser Pro Ile Asp Gly Ser Cys Ser				
	210	215	220	
Cys Thr Pro Gly Trp Leu Gly Asp Thr Cys Glu Leu Pro Cys Pro Asp				
	225	230	235	240
Gly Thr Phe Gly Leu Asn Cys Ser Glu His Cys Asp Cys Ser His Ala				
	245	250	255	
Asp Gly Cys Asp Pro Val Thr Gly His Cys Cys Cys Leu Ala Gly Trp				
	260	265	270	
Thr Gly Ile Arg Cys Asp Ser Thr Cys Pro Pro Gly Arg Trp Gly Pro				
	275	280	285	
Asn Cys Ser Val Ser Cys Ser Cys Glu Asn Gly Gly Ser Cys Ser Pro				
	290	295	300	
Glu Asp Gly Ser Cys Glu Cys Ala Pro Gly Phe Arg Gly Pro Leu Cys				
	305	310	315	320
Gln Arg Ile Cys Pro Pro Gly Phe Tyr Gly His Gly Cys Ala Gln Pro				

5468

	325		330		335										
Cys	Pro	Leu	Cys	Val	His	Ser	Ser	Arg	Pro	Cys	His	His	Ile	Ser	Gly
			340					345					350		
Ile	Cys	Glu	Cys	Leu	Pro	Gly	Phe	Ser	Gly	Ala	Leu	Cys	Asn	Gln	Ala
		355					360					365			
Ser	Lys	Trp	Gln	Lys	Gln	Ile	Leu	Ile	Pro	Thr	Cys	Met	Leu	Lys	Gly
	370					375					380				

<210> 6244

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6244

Ile	His	Met	Ala	Leu	Leu	Arg	Lys	Ile	Asn	Gln	Val	Leu	Leu	Phe	Leu
1				5					10					15	
Leu	Ile	Val	Thr	Leu	Cys	Val	Ile	Leu	Tyr	Lys	Lys	Val	His	Lys	Gly
			20					25					30		
Thr	Val	Pro	Lys	Asn	Asp	Ala	Asp	Asp	Glu	Ser	Glu	Thr	Pro	Glu	Glu
		35					40					45			
Leu	Glu	Glu	Glu	Ile	Pro	Val	Val	Ile	Cys	Ala	Ala	Ala	Gly	Arg	Met
	50					55					60				
Gly	Ala	Thr	Met	Ala	Ala	Ile	Asn	Ser	Ile	Tyr	Ser	Asn	Thr	Asp	Ala
65					70					75				80	
Asn	Ile	Leu	Phe	Tyr	Val	Val	Gly	Leu	Arg	Asn	Thr	Leu	Thr	Arg	Ile
				85					90					95	
Arg	Lys	Trp	Ile	Glu	His	Ser	Lys	Leu	Arg	Glu	Ile	Asn	Phe	Lys	Ile
			100					105					110		
Val	Glu	Phe	Asn	Pro	Met	Val	Leu	Lys	Gly	Lys	Ile	Arg	Pro	Asp	Ser
		115					120					125			
Ser	Arg	Pro	Glu	Leu	Leu	Gln	Pro	Leu	Asn	Phe	Val	Arg	Phe	Tyr	Leu
	130					135					140				
Pro	Leu	Leu	Ile	His	Gln	His	Glu	Glu	Ser	His	Leu	Phe	Gly	Arg	
145					150					155					

5469

<210> 6245

<211> 27

<212> PRT

<213> Homo sapiens

<400> 6245

Arg Gln Pro Lys Cys Pro Ser Thr Asp Glu Trp Ile Gln Lys Met Trp
1 5 10 15

Tyr Val Tyr Thr Met Gly Thr Ser Gln Pro Gly
20 25

<210> 6246

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6246

Asp Leu Met Ile Leu Asn Thr Gly Val Ser Pro Ala Gln Ala Leu Ser
1 5 10 15

Leu Pro Ala Ala Ser His Val Arg His Asp Leu Leu Leu Leu Ala Phe
20 25 30

His His Asp Cys Glu Ala Phe Pro Ala Thr Trp Asn Cys Lys Ser Ile
35 40 45

Lys Pro Leu Phe Phe Tyr Lys Trp Pro Ser Leu Lys Tyr Xaa Phe Ile
50 55 60

Asn Ser Val Lys Trp Thr Ser Thr Val Asn Trp Tyr Gln
65 70 75

<210> 6247

<211> 251

<212> PRT

<213> Homo sapiens

<220>

5470

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6247

Xaa	Leu	Val	Leu	Xaa	Ser	Tyr	Leu	Gly	Asp	Thr	Ile	Glu	Gly	Thr	Pro
1				5					10					15	

Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Glu	Gly
			20					25					30		

Ser	Arg	Gly	Cys	Gly	Lys	Gln	His	Ile	Ser	Asp	Ser	Ser	Trp	Leu	Leu
		35				40						45			

Asp	Ser	Ala	Gly	Arg	Glu	Gly	Arg	Leu	Val	Ala	Met	Ser	Gln	Gln	Lys
	50					55					60				

Cys	Ile	Val	Ile	Phe	Ala	Leu	Val	Cys	Cys	Phe	Ala	Ile	Leu	Val	Ala
65					70					75					80

Leu	Ile	Phe	Ser	Ala	Val	Asp	Ile	Met	Gly	Glu	Asp	Glu	Asp	Gly	Leu
				85					90					95	

Ser	Glu	Lys	Asn	Cys	Gln	Asn	Lys	Cys	Arg	Ile	Ala	Leu	Val	Glu	Asn
			100					105					110		

Ile	Pro	Glu	Gly	Leu	Asn	Tyr	Ser	Glu	Asn	Ala	Pro	Phe	His	Leu	Ser
		115					120					125			

Leu	Phe	Gln	Gly	Trp	Met	Asn	Leu	Leu	Asn	Met	Ala	Lys	Lys	Ser	Val
	130					135					140				

Asp	Ile	Val	Ser	Ser	His	Trp	Asp	Leu	Asn	His	Thr	His	Pro	Ser	Ala
145					150					155					160

Cys	Gln	Gly	Gln	Arg	Leu	Phe	Glu	Lys	Leu	Leu	Gln	Leu	Thr	Ser	Gln
				165					170					175	

Asn	Ile	Glu	Ile	Lys	Leu	Val	Ser	Asp	Val	Thr	Ala	Asp	Ser	Lys	Val
		180						185					190		

Leu	Glu	Ala	Leu	Lys	Leu	Lys	Gly	Ala	Glu	Val	Thr	Tyr	Met	Asn	Met
		195					200					205			

Thr	Ala	Tyr	Asn	Lys	Gly	Arg	Leu	Gln	Ser	Ser	Phe	Trp	Ile	Val	Asp
	210					215					220				

5471

Lys Gln His Val Tyr Ile Gly Ser Ala Gly Leu Asp Trp Gln Ser Leu
 225 230 235 240

Gly Gln Val His Ile Leu Leu Tyr Ser Cys Lys
 245 250

<210> 6248

<211> 137

<212> PRT

<213> Homo sapiens

<400> 6248

Lys Gly Val Thr Glu Phe Gln Gln Phe Ser Asp Phe Tyr Ile Leu Phe
 1 5 10 15

Leu Phe Leu Ser Asn Pro Cys Leu Leu Ser Pro Gly Gly Lys Tyr Ile
 20 25 30

Phe Phe Asn Val Phe Pro Ala Phe Leu Pro Lys Cys Val Phe Phe Phe
 35 40 45

Gly Leu Leu Tyr Pro Ala Ser Ser Ala Val Pro Gly Ile Gly Pro Ser
 50 55 60

Leu Gln Lys Pro Phe Gln Glu Tyr Leu Glu Ala Gln Arg Gln Lys Leu
 65 70 75 80

His His Lys Ser Glu Met Gly Thr Pro Gln Gly Glu Asn Trp Leu Ser
 85 90 95

Trp Met Phe Glu Lys Leu Val Val Val Met Val Cys Tyr Phe Ile Leu
 100 105 110

Ser Ile Ile Asn Ser Met Ala Gln Ser Tyr Ala Lys Arg Ile Gln Gln
 115 120 125

Arg Leu Asn Ser Glu Glu Lys Thr Lys
 130 135

<210> 6249

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5472

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6249

Ala	Xaa	Ser	Trp	Ala	Ala	Leu	His	Ser	Gln	Val	Phe	Pro	Ala	Leu	Thr
1				5					10					15	

Pro	Lys	Arg	Trp	Thr	Gln	Val	Arg	Arg	Gly	Thr	Ala	Thr	Val	Gly	Gly
			20					25					30		

Met	Ala	Ile	Leu	Gln	Val	Thr	Ala	Gly	His	Pro	Leu	Ala	Met	Ala	Gln
			35					40					45		

Gly	Pro	Ala	Gly	His	Pro	Pro	Thr	Met	Val	Gln	Gly	Pro	Ala	Gly	His
			50				55				60				

Pro	Leu	Ala	Met	Ala	Gln	Gly	Pro	Ala	Gly	His	Pro	Pro	Thr	Met	Val
	65				70					75					80

Gln	Gly	Pro	Ala	Gly	Leu	Pro	Leu	Ala	Met	Ala	Gln	Val	Thr	His	Pro
				85					90					95	

Leu	Val	His	Ile	Thr	Glu	Glu	Val	Glu	Glu	Asn	Arg	Thr	Gln	Asp	Gly
			100					105					110		

Lys	Pro	Glu	Arg	Ile	Ala	Gln	Leu	Thr	Trp	Asn	Glu	Ala
			115				120					125

<210> 6250

<211> 289

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6250

5473

Gly	Glu	Glu	Gln	Pro	Leu	Ala	Ala	Ala	Pro	Thr	Glu	Cys	Leu	Glu	Gln	1	5	10	15
Val	Ile	Gly	Gly	Ala	Gly	Asp	Pro	Gly	Thr	Trp	Ala	Ser	Phe	Pro	Ser	20	25	30	
Pro	Leu	Pro	Gly	Pro	Ala	Pro	Leu	Lys	Gly	Gly	Lys	Thr	Met	Ala	Thr	35	40	45	
Asn	Phe	Ser	Asp	Ile	Val	Lys	Gln	Gly	Tyr	Val	Lys	Met	Lys	Ser	Arg	50	55	60	
Lys	Leu	Gly	Ile	Tyr	Arg	Arg	Cys	Trp	Leu	Val	Phe	Arg	Lys	Ser	Ser	65	70	75	80
Ser	Lys	Gly	Pro	Gln	Arg	Leu	Glu	Lys	Tyr	Pro	Asp	Glu	Lys	Ser	Val	85	90	95	
Cys	Leu	Arg	Gly	Cys	Pro	Lys	Val	Thr	Glu	Ile	Ser	Asn	Val	Lys	Cys	100	105	110	
Val	Thr	Arg	Leu	Pro	Lys	Glu	Thr	Lys	Arg	Gln	Ala	Val	Ala	Ile	Ile	115	120	125	
Phe	Thr	Asp	Asp	Ser	Ala	Arg	Thr	Phe	Thr	Cys	Asp	Ser	Glu	Leu	Glu	130	135	140	
Ala	Glu	Glu	Trp	Tyr	Lys	Thr	Leu	Ser	Val	Glu	Cys	Leu	Gly	Ser	Arg	145	150	155	160
Leu	Asn	Asp	Ile	Ser	Leu	Gly	Glu	Pro	Asp	Leu	Leu	Ala	Pro	Gly	Val	165	170	175	
Gln	Cys	Glu	Gln	Thr	Asp	Arg	Phe	Asn	Val	Phe	Leu	Leu	Pro	Cys	Pro	180	185	190	
Asn	Leu	Asp	Val	Tyr	Gly	Glu	Cys	Lys	Leu	Gln	Ile	Thr	His	Glu	Asn	195	200	205	
Ile	Tyr	Leu	Trp	Asp	Ile	His	Asn	Pro	Arg	Val	Lys	Leu	Val	Ser	Trp	210	215	220	
Xaa	Leu	Cys	Xaa	Xaa	Arg	Arg	Tyr	Gly	Arg	Asp	Ala	Thr	Arg	Phe	Thr	225	230	235	240
Phe	Glu	Ala	Gly	Arg	Met	Cys	Asp	Ala	Gly	Glu	Gly	Leu	Tyr	Thr	Phe	245	250	255	
Gln	Thr	Gln	Glu	Gly	Glu	Gln	Ile	Tyr	Gln	Arg	Val	His	Ser	Ala	Thr	260	265	270	

5474

Leu Ala Ile Ala Glu Gln His Lys Arg Val Leu Leu Glu Met Glu Lys
 275 280 285

Thr

<210> 6251

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6251

Arg Xaa Gln Ala Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg
 1 5 10 15

Phe Asn Gln Thr Ala Gln Thr Cys Met Glu Ala Ala Ser Asp Arg Leu
 20 25 30

Gly Leu Gly Gln Arg Arg Ser Lys Thr Met Val Gly Lys Met Trp Pro
 35 40 45

Val Leu Trp Thr Leu Cys Ala Val Arg Val Thr Val Asp Ala Ile Ser
 50 55 60

Val Glu Thr Pro Gln Asp Val Leu Arg Ala Ser Gln Gly Lys Ser Val
 65 70 75 80

Thr Leu Pro Cys Thr Tyr His Thr Ser Thr Ser Ser Arg Glu Gly Leu
 85 90 95

Ile Gln Trp Asp Lys Leu Leu Leu Thr His Thr Glu Arg Val Val Ile
 100 105 110

Trp Pro Phe Ser Asn Lys Asn Tyr Ile His Gly Glu Leu Tyr Lys Asn
 115 120 125

Arg Val Ser Ile Ser Asn Asn Ala Glu Gln Ser Asp Ala Ser Ser Pro
 130 135 140

Leu Ile Ser
 145

5475

<210> 6252

<211> 179

<212> PRT

<213> Homo sapiens

<400> 6252

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Pro Arg Gly Thr Ser Arg Arg Ser Ala Trp Pro Lys Met Ala Ala Ser
 1             5             10             15

Val Cys Ser Gly Leu Leu Gly Pro Arg Val Leu Ser Trp Ser Arg Glu
          20             25             30

Leu Pro Cys Ala Trp Arg Ala Leu His Thr Ser Pro Val Cys Ala Lys
          35             40             45

Asn Arg Ala Ala Arg Val Arg Val Ser Lys Gly Asp Lys Pro Val Thr
          50             55             60

Tyr Glu Glu Ala His Ala Pro His Tyr Ile Ala His Arg Lys Gly Trp
 65             70             75             80

Leu Ser Leu His Thr Gly Asn Leu Asp Gly Glu Asp His Ala Ala Glu
          85             90             95

Arg Thr Val Glu Asp Val Phe Leu Arg Lys Phe Met Trp Gly Thr Phe
          100            105            110

Pro Gly Cys Leu Ala Asp Gln Leu Val Leu Lys Arg Arg Gly Asn Gln
          115            120            125

Leu Glu Ile Cys Ala Val Val Leu Arg Gln Leu Ser Pro His Lys Tyr
          130            135            140

Tyr Phe Leu Val Gly Tyr Ser Glu Thr Leu Leu Ser Tyr Phe Tyr Lys
          145            150            155            160

Cys Pro Val Arg Leu His Leu Gln Thr Val Pro Ser Lys Val Val Tyr
          165            170            175

Lys Tyr Leu

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<210> 6253

<211> 288

<212> PRT

<213> Homo sapiens

<400> 6253

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Glu Ile Arg Val Ser Cys Thr Ala Gly Ala Gly Phe Pro Ala Ala Gln

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5476

1	5	10	15
Ala Arg Val Arg Cys Leu Cys His Leu Ile Leu Met Ser Gly Glu Ile	20	25	30
Ala Met Cys Glu Pro Glu Phe Gly Asn Asp Lys Ala Arg Glu Pro Ser	35	40	45
Val Gly Gly Arg Trp Arg Val Ser Trp Tyr Glu Arg Phe Val Gln Pro	50	55	60
Cys Leu Val Glu Leu Leu Gly Ser Ala Leu Phe Ile Phe Ile Gly Cys	65	70	75
Leu Ser Val Ile Glu Asn Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala	85	90	95
Leu Ala His Gly Leu Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn	100	105	110
Ile Ser Gly Gly His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu	115	120	125
Ile Gly Gly Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln	130	135	140
Leu Leu Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro	145	150	155
Glu Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln	165	170	175
Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu Thr	180	185	190
Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu Lys Thr	195	200	205
Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val Thr Val Asp	210	215	220
Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met Asn Pro Ala Arg	225	230	235
Ala Phe Gly Pro Ala Val Val Ala Asn His Trp Asn Phe His Trp Ile	245	250	255
Tyr Trp Leu Gly Pro Leu Leu Ala Gly Leu Leu Val Gly Leu Leu Ile	260	265	270
Arg Cys Phe Ile Gly Asp Gly Lys Thr Arg Leu Ile Leu Lys Ala Gln			

5477

275

280

285

<210> 6254

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6254

Gly	Val	Thr	Arg	Pro	Thr	Arg	Ala	Pro	Arg	Phe	Ala	Ser	Ala	Ala	Ser
1				5					10					15	

Trp	Pro	Lys	Gly	Gly	Asp	Arg	Gly	Gly	Trp	Arg	Gly	Ala	Ala	Arg	Thr
			20					25					30		

Arg	Ser	Pro	Gly	Ala	Gly	Pro	Val	Arg	Thr	Ala	Arg	Glu	Gly	Arg	Ser
		35					40					45			

Val	Gly	Arg	Ser	Arg	Pro	Arg	Asp	Ser	Ile	Ser	Ala	Arg	Ser	Asp	Asn
	50					55					60				

Ser	Pro	Phe	Pro	Trp	Arg	Ser	Leu	Arg	Ala	Trp	His	Pro	Ala	Gly	Arg
65					70					75					80

Leu	Lys	Thr	Val	Val	Ser	Ser	Ile	Ala	Ser	Leu	Asp	Leu	Ala	Thr	Ile
				85					90					95	

Ser	Glu	Met	Ser	Ser	Arg	Ser	Thr	Lys	Asp	Leu	Ile	Lys	Ser	Lys	Trp
		100						105					110		

Gly	Ser	Lys	Pro	Ser	Asn	Ser	Lys	Ser	Glu	Thr	Thr	Leu	Glu	Lys	Leu
		115					120					125			

Lys	Gly	Glu	Ile	Ala	His	Leu	Lys	Thr	Ser	Val	Asp	Glu	Ile	Thr	Ser
	130					135					140				

Gly	Lys	Gly	Lys	Leu	Thr	Asp	Lys	Glu	Arg	Gln	Arg	Phe	Xaa	Glu	Lys
145					150					155					160

Ile	Arg	Val	Leu	Glu
				165

5478

<210> 6255

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6255

Ser	Thr	Gly	Pro	Cys	Pro	Ser	His	Gly	Gln	Arg	Phe	Glu	Ser	Trp	Leu
1				5				10						15	

Ser	Cys	Thr	Cys	Val	Trp	Pro	Lys	Ala	Lys	Cys	Ala	Leu	Leu	Arg	Asp
			20					25					30		

Asp	Leu	Val	Leu	Val	Asp	Ser	Pro	Gly	Thr	Asp	Val	Thr	Thr	Glu	Leu
		35					40					45			

Asp	Ser	Trp	Ile	Asp	Lys	Phe	Cys	Leu	Asp	Ala	Asp	Val	Phe	Val	Leu
	50					55					60				

Val	Ala	Asn	Ser	Glu	Ser	Thr	Leu	Met	Asn	Thr	Glu	Lys	His	Phe	Phe
65					70					75					80

His	Lys	Val	Asn	Glu	Arg	Leu	Ser	Lys	Pro	Asn	Ile	Phe	Ile	Leu	Asn
			85						90					95	

Asn	Arg	Trp	Asp	Ala	Ser	Ala	Ser	Glu	Pro	Glu	Tyr	Met	Glu	Asp	Val
			100					105					110		

Arg	Arg	Gln	His	Met	Glu	Arg	Cys	Leu	His	Phe	Leu	Val	Glu	Glu	Leu
			115				120					125			

Lys	Val	Val	Asn	Ala	Leu	Glu	Ala	Xaa	Asn	Arg	Ile	Phe	Phe	Val	Ser
	130					135					140				

Ala	Lys	Glu	Val	Leu	Ser	Ala	Arg	Lys	Gln	Lys	Ala	Gln	Gly	Met	Pro
145					150					155					160

Glu	Ser	Gly	Val	Ala	Leu	Ala	Glu	Gly	Phe	His	Ala	Arg	Leu	Gln	Glu
			165					170						175	

Phe	Gln	Asn	Phe	Glu	Gln	Ile	Phe	Glu	Val	Gly	Ile	Leu
			180					185				

5479

<210> 6256

<211> 337

<212> PRT

<213> Homo sapiens

<400> 6256

Arg Pro Asp Leu Ala Thr Met Arg Ala Leu Leu Ala Arg Leu Leu Leu
 1 5 10 15

Cys Val Leu Val Val Ser Asp Ser Lys Gly Ser Asn Glu Leu His Gln
 20 25 30

Val Pro Ser Asn Cys Asp Cys Leu Asn Gly Gly Thr Cys Val Ser Asn
 35 40 45

Lys Tyr Phe Ser Asn Ile His Trp Cys Asn Cys Pro Lys Lys Phe Gly
 50 55 60

Gly Gln His Cys Glu Ile Asp Lys Ser Lys Thr Cys Tyr Glu Gly Asn
 65 70 75 80

Gly His Phe Tyr Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro
 85 90 95

Cys Leu Pro Trp Asn Ser Ala Thr Val Leu Gln Gln Thr Tyr His Ala
 100 105 110

His Arg Ser Asp Ala Leu Gln Leu Gly Leu Gly Lys His Asn Tyr Cys
 115 120 125

Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp Cys Tyr Val Gln Val Gly
 130 135 140

Leu Lys Pro Leu Val Gln Glu Cys Met Val His Asp Cys Ala Asp Gly
 145 150 155 160

Lys Lys Pro Ser Ser Pro Pro Glu Glu Leu Lys Phe Gln Cys Gly Gln
 165 170 175

Lys Thr Leu Arg Pro Arg Phe Lys Ile Ile Gly Gly Glu Phe Thr Thr
 180 185 190

Ile Glu Asn Gln Pro Trp Phe Ala Ala Ile Tyr Arg Arg His Arg Gly
 195 200 205

Gly Ser Val Thr Tyr Val Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp
 210 215 220

Val Ile Ser Ala Thr His Cys Phe Ile Asp Tyr Pro Lys Lys Glu Asp
 225 230 235 240

5480

Tyr Ile Val Tyr Leu Gly Arg Ser Arg Leu Asn Ser Asn Thr Gln Gly
 245 250 255

Glu Met Lys Phe Glu Val Glu Asn Leu Ile Leu His Lys Asp Tyr Ser
 260 265 270

Ala Asp Thr Leu Ala His His Asn Asp Ile Ala Leu Leu Lys Ile Arg
 275 280 285

Ser Lys Glu Gly Arg Cys Ala Gln His Pro Gly Leu Tyr Arg Pro Ser
 290 295 300

Ala Cys Pro Arg Cys Ile Thr Ile Pro Ser Leu Ala Gln Ala Val Arg
 305 310 315 320

Ser Leu Ala Leu Glu Lys Arg Ile Leu Pro Thr Ile Ser Ile Arg Ser
 325 330 335

Ser

<210> 6257

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6257

Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro
 1 5 10 15

Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val
 20 25 30

Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
 35 40 45

Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu
 50 55 60

Ala Arg Thr Asp Arg Leu Pro Thr Val Ala Gln Pro Glu Trp Arg Met
 65 70 75 80

Ala Asn Cys Lys Ala Leu Ile Phe Trp
 85

<210> 6258

<211> 370

5481

<212> PRT

<213> Homo sapiens

<400> 6258

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Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1             5             10             15

Pro Gly Lys Leu Val Ala Leu Val Leu Leu Gly Val Gly Leu Ser Leu
      20             25             30

Val Gly Glu Met Phe Leu Ala Phe Arg Glu Arg Val Asn Ala Ser Arg
      35             40             45

Glu Val Glu Pro Val Glu Pro Glu Asn Cys His Leu Ile Glu Glu Leu
      50             55             60

Glu Ser Gly Ser Glu Asp Ile Asp Ile Leu Pro Ser Gly Leu Ala Phe
 65             70             75             80

Ile Ser Ser Gly Leu Lys Tyr Pro Gly Met Pro Asn Phe Ala Pro Asp
      85             90             95

Glu Pro Gly Lys Ile Phe Leu Met Asp Leu Asn Glu Gln Asn Pro Arg
      100            105            110

Ala Gln Ala Leu Glu Ile Ser Gly Gly Phe Asp Lys Glu Leu Phe Asn
      115            120            125

Pro His Gly Ile Ser Ile Phe Ile Asp Lys Asp Asn Thr Val Tyr Leu
      130            135            140

Tyr Val Val Asn His Pro His Met Lys Ser Thr Val Glu Ile Phe Lys
      145            150            155            160

Phe Glu Glu Gln Gln Arg Ser Leu Val Tyr Leu Lys Thr Ile Lys His
      165            170            175

Glu Leu Leu Lys Ser Val Asn Asp Ile Val Val Leu Gly Pro Glu Gln
      180            185            190

Phe Tyr Ala Thr Arg Asp His Tyr Phe Thr Asn Ser Leu Leu Ser Phe
      195            200            205

Phe Glu Met Ile Leu Asp Leu Arg Trp Thr Tyr Val Leu Phe Tyr Ser
      210            215            220

Pro Arg Glu Val Lys Val Val Ala Lys Gly Phe Cys Ser Ala Asn Gly
      225            230            235            240

Ile Thr Val Ser Ala Asp Gln Lys Tyr Val Tyr Val Ala Asp Val Ala
      245            250            255

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5482

Ala Lys Asn Ile His Ile Met Glu Lys His Asp Asn Trp Asp Leu Thr
 260 265 270

Gln Leu Lys Val Ile Gln Leu Gly Thr Leu Val Asp Asn Leu Thr Val
 275 280 285

Asp Pro Ala Thr Gly Asp Ile Leu Ala Gly Cys His Pro Asn Pro Met
 290 295 300

Lys Leu Leu Asn Tyr Asn Pro Glu Asp Pro Pro Gly Ser Glu Val Leu
 305 310 315 320

Arg Ile Gln Asn Val Leu Ser Glu Lys Pro Arg Val Ser Thr Val Tyr
 325 330 335

Ala Asn Asn Gly Ser Val Leu Gln Gly Thr Ser Val Ala Ser Val Tyr
 340 345 350

His Gly Lys Ile Leu Ile Gly Thr Val Phe His Lys Thr Leu Tyr Cys
 355 360 365

Glu Leu
 370

<210> 6259

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6259

Leu Met Gln Ala Ile Ser Leu Phe Ser Xaa Asp Arg Pro Gly Val Leu
 1 5 10 15

Gln His Arg Val Val Asp Gln Leu Gln Glu Gln Phe Ala Ile Thr Leu
 20 25 30

Lys Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro Ala His Arg Phe Leu
 35 40 45

Phe Leu Lys Ile Met Ala Met Leu Thr Glu Leu Arg Ser Ile Asn Ala
 50 55 60

Gln His Thr Gln Arg Leu Leu Arg Ile Gln Asp Ile His Pro Phe Ala

5483

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65              70              75              80
Thr Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser
      85              90

<210> 6260
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6260
Val Ile Lys Leu Ile Cys Pro Ala Ala Phe Pro Val Tyr Phe Gln Asp
  1              5              10              15
Met Ala Arg Gly Cys Val Cys Ser Leu Cys Ala Ser Val Cys Ile Xaa
      20              25              30
Leu Ser Ser Leu Phe Pro Leu Leu Pro Ser Val His Ser Val Asn Ile
      35              40              45
Ile Ser Cys Leu Xaa Leu Ser Lys Cys Phe Glu Ser Leu Asn Ser Cys
      50              55              60
Val Ser Ile Leu Ser Thr Ile Pro Ile Ala Val Leu His His Lys Ser
      65              70              75              80
Pro Ile Gly Xaa Tyr Pro
      85

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<210>	6261
<211>	95
<212>	PRT

5484

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6261

Ala	Ser	Phe	Leu	Leu	Glu	Leu	Leu	Val	Leu	Pro	Ala	Ser	Thr	Thr	His
1				5					10					15	

Pro	Cys	Ser	Ala	Glu	Pro	Leu	Gly	Ala	Glu	Trp	Gln	Glu	Pro	Gln	Gly
			20				25					30			

Cys	Pro	Ile	Trp	Val	Trp	Leu	Ala	Gly	Ser	Leu	Thr	Ser	Val	Ile	Cys
		35					40					45			

Phe	Leu	Pro	Phe	Gln	Ile	Met	Arg	Ile	Lys	Pro	His	Gln	Gly	Gln	His
	50					55					60				

Ile	Gly	Glu	Met	Ser	Phe	Leu	Gln	His	Asn	Lys	Cys	Glu	Cys	Arg	Xaa
65						70				75					80

Lys	Xaa	Asp	Arg	Ala	Arg	Gln	Glu	Asn	Pro	Cys	Gly	Pro	Xaa	Ser	
				85					90					95	

<210> 6262

<211> 127

<212> PRT

<213> Homo sapiens

<400> 6262

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25				30			

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5485

35 40 45
 Ser Ala Arg Ala Trp Leu Leu Gln Asn Phe Leu Leu Phe Leu Leu Leu
 50 55 60
 Leu Val Phe Ser Leu Leu Cys Phe Thr Leu Cys Ser Cys Pro Thr Val
 65 70 75 80
 Leu Asp Ile Ile Phe Cys Ser Phe Gln Cys Phe Phe Ser Leu Val Phe
 85 90 95
 Glu Val Ser Asp Asp Lys Ser Ser Ser Ser Glu Ile Leu Tyr Ser Ala
 100 105 110
 Glu Ser Ser Leu Leu Ile Ser His Gln Arg Tyr Ser Ser Val Ile
 115 120 125

<210> 6263

<211> 247

<212> PRT

<213> Homo sapiens

<400> 6263

Pro Glu Asn Ser Thr Ser Ser Phe Leu Leu Trp Gly Cys Pro Pro Ser
 1 5 10 15
 Val Val Cys Phe Thr Val Gly Ser Pro Ala Arg Arg Pro Gln Cys Phe
 20 25 30
 Leu Arg Ala Glu Met Ala Asn Ser Gly Leu Gln Leu Leu Gly Phe Ser
 35 40 45
 Met Ala Leu Leu Gly Trp Val Gly Leu Val Ala Cys Thr Ala Ile Pro
 50 55 60
 Gln Trp Gln Met Ser Ser Tyr Ala Gly Asp Asn Ile Ile Thr Ala Gln
 65 70 75 80
 Ala Met Tyr Lys Gly Leu Trp Met Asp Cys Val Thr Gln Ser Thr Gly
 85 90 95
 Met Met Ser Cys Lys Met Tyr Asp Ser Val Leu Ala Leu Ser Ala Ala
 100 105 110
 Leu Gln Ala Thr Arg Ala Leu Met Val Val Ser Leu Val Leu Gly Phe
 115 120 125
 Leu Ala Met Phe Val Ala Thr Met Gly Met Lys Cys Thr Arg Cys Gly
 130 135 140

5486

Gly Asp Asp Lys Val Lys Lys Ala Arg Ile Ala Met Gly Gly Gly Ile
 145 150 155 160
 Ile Phe Ile Val Ala Gly Leu Ala Ala Leu Val Ala Cys Ser Trp Tyr
 165 170 175
 Gly His Gln Ile Val Thr Asp Phe Tyr Asn Pro Leu Ile Pro Thr Asn
 180 185 190
 Ile Lys Tyr Glu Phe Gly Pro Ala Ile Phe Ile Gly Trp Ala Gly Ser
 195 200 205
 Ala Leu Val Ile Leu Gly Gly Ala Leu Leu Ser Cys Ser Cys Pro Gly
 210 215 220
 Asn Glu Ser Lys Ala Gly Tyr Arg Ala Pro Arg Ser Tyr Pro Lys Ser
 225 230 235 240
 Asn Ser Ser Lys Glu Tyr Val
 245

<210> 6264

<211> 145

<212> PRT

<213> Homo sapiens

<400> 6264

Pro Asp Ser Val Phe Ser Pro Ala Ala Ser Pro Thr Lys Glu Ile Gln
 1 5 10 15
 Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
 20 25 30
 Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
 35 40 45
 Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
 50 55 60
 Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
 65 70 75 80
 Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
 85 90 95
 Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
 100 105 110

5487

Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
 115 120 125

Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Gly Thr
 130 135 140

Val
 145

<210> 6265

<211> 66

<212> PRT

<213> Homo sapiens

<400> 6265

Leu Glu Ser Arg Ser Cys Thr Pro Leu Ile Phe Leu Leu Lys His Leu
 1 5 10 15

Lys Val Tyr Ile Gly Cys Gln Met Ser Asn Ile Thr Tyr Phe Ile Leu
 20 25 30

Phe Ser Ser Asn Leu Tyr Phe Thr Val Val Gln Gly Met Lys Glu Ala
 35 40 45

Gln Glu Arg Leu Thr Gly Asp Ala Phe Arg Lys Lys His Leu Glu Asp
 50 55 60

Glu Leu
 65

<210> 6266

<211> 134

<212> PRT

<213> Homo sapiens

<400> 6266

Ala Arg Gly Pro Arg Gly Leu Ala Pro Pro Arg Pro Ala Arg Pro Pro
 1 5 10 15

Pro Gly Gly Met Ser Tyr Lys Pro Asn Leu Ala Ala His Met Pro Ala
 20 25 30

Ala Ala Leu Asn Ala Ala Gly Ser Val His Ser Pro Ser Thr Ser Met
 35 40 45

Ala Thr Ser Ser Gln Tyr Arg Gln Leu Leu Ser Asp Tyr Gly Pro Pro
 50 55 60

5488

Ser Leu Gly Tyr Thr Gln Gly Thr Gly Asn Ser Gln Val Pro Gln Ser
 65 70 75 80

Lys Tyr Ala Glu Leu Leu Ala Ile Ile Glu Glu Leu Gly Lys Glu Ile
 85 90 95

Arg Pro Thr Tyr Ala Gly Ser Lys Ser Ala Met Glu Arg Leu Lys Arg
 100 105 110

Gly Ile Ile His Ala Arg Gly Leu Val Arg Glu Cys Leu Ala Glu Thr
 115 120 125

Glu Arg Asn Ala Arg Ser
 130

<210> 6267

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6267

Xaa Xaa Leu Thr Lys Gly Asn Lys Ser Xaa Xaa Leu His Arg Gly Val
 1 5 10 15

5489

Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
 20 25 30
 Ser Ile Gly Thr Gly Gly Phe Ala Lys Val Lys Leu Ala Cys His Ile
 35 40 45
 Leu Thr Gly Glu Met Val Ala Ile Lys Ile Met Asp Lys Asn Thr Leu
 50 55 60
 Gly Ser Asp Leu Pro Arg Ile Lys Thr Glu Ile Glu Ala Leu Lys Asn
 65 70 75 80
 Leu Arg His Gln His Ile Cys Gln Leu Tyr His Val Leu Glu Thr Ala
 85 90 95
 Asn Lys Ile Phe Met Val Leu Glu Tyr Cys Pro Gly Gly Glu Leu Phe
 100 105 110
 Asp Tyr Ile Ile Ser Gln Xaa Arg Leu Ser Glu Glu Glu Thr Arg Val
 115 120 125
 Val Phe Arg Gln Ile Val Ser Ala Val Ala Tyr Val His Ser Gln Gly
 130 135 140
 Tyr Ala His Arg Asp Leu Lys Pro Glu Asn Leu Leu Phe Asp Glu Tyr
 145 150 155 160
 His Lys Leu Lys Leu Ile Asp Phe Gly Leu Cys Ala Lys Pro Lys Gly
 165 170 175
 Asn Lys Asp Tyr His Leu Gln Thr Cys Cys Gly Ser Leu Ala Tyr Ala
 180 185 190
 Ala Pro Glu Leu Ile Gln Gly Lys Ser
 195 200

<210> 6268

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (233)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5490

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (305)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (344)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6268

Arg	Pro	Thr	Arg	Pro	Val	Gln	Tyr	Glu	Leu	Trp	Ala	Ala	Leu	Pro	Gly
1				5					10					15	

Ala	Ser	Gly	Val	Ala	Leu	Ala	Cys	Cys	Phe	Val	Ala	Ala	Ala	Val	Ala
			20					25					30		

Leu	Arg	Trp	Ser	Gly	Arg	Arg	Thr	Ala	Val	Ala	Arg	Trp	Ser	Gly	Arg
		35					40					45			

Asp	Arg	Gly	Ser	Glu	Arg	Ala	Trp	Arg	Thr	Trp	Thr	Gly	Arg	Arg	Thr
		50				55					60				

Phe	Arg	Leu	Gln	Asn	Pro	Asp	Leu	Asp	Ser	Glu	Ala	Leu	Leu	Ala	Leu
		65			70					75					80

Pro	Leu	Pro	Gln	Leu	Val	Gln	Lys	Leu	His	Ser	Arg	Glu	Leu	Ala	Pro
				85					90					95	

Glu	Ala	Val	Leu	Phe	Thr	Tyr	Val	Gly	Lys	Ala	Trp	Glu	Val	Asn	Lys
			100					105					110		

Gly	Thr	Asn	Cys	Val	Thr	Ser	Tyr	Leu	Ala	Asp	Cys	Glu	Thr	Gln	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5491

115	120	125
Ser Gln Ala Pro Arg Gln Gly Leu Leu Tyr Gly Val Pro Val Ser Leu		
130	135	140
Lys Glu Cys Phe Thr Tyr Lys Gly Gln Asp Ser Thr Leu Gly Leu Ser		
145	150	155
Leu Asn Glu Gly Val Pro Ala Glu Cys Asp Ser Val Val Val His Val		
	165	170
Leu Lys Leu Gln Gly Ala Val Pro Phe Val His Thr Asn Val Pro Gln		
	180	185
Ser Met Phe Ser Tyr Asp Cys Ser Asn Pro Leu Phe Gly Gln Thr Val		
	195	200
Asn Pro Trp Lys Ser Ser Lys Ser Pro Gly Gly Ser Ser Gly Gly Glu		
	210	215
Gly Ala Leu Ile Gly Ser Gly Gly Xaa Pro Leu Gly Leu Gly Thr Asp		
	225	230
Ile Gly Gly Ser Ile Arg Phe Pro Ser Ser Phe Cys Gly Ile Cys Gly		
	245	250
Leu Lys Pro Thr Gly Asn Pro Xaa Gln Cys Val Ser Pro Trp Ala Pro		
	260	265
Trp Pro Gly Thr Trp Lys Ser Leu Ala Leu Val Pro Ala Asn Pro Ala		
	275	280
Cys Ala Lys Asp Met Phe Pro Leu Gly Pro Asn Val Pro Xaa Leu Pro		
	290	295
Xaa Lys Lys Arg Ser Thr Pro Ser Xaa Asn Pro Cys Val Trp Gly Thr		
	305	310
Met Arg Ile Asp Asn Tyr Thr Met Pro Ser Arg His Glu Ala Ala Leu		
	325	330
Leu Gly Asn Lys Gln Ser Leu Xaa Trp Gly Thr Pro Ala Ser Cys Xaa		
	340	345
Ser Lys Thr		
355		

<210> 6269

<211> 133

5492

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6269

Xaa	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala
1				5					10					15	
Val	Xaa	Ser	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser
			20					25					30		
Ala	Arg	Gly	Thr	Phe	Phe	Lys	Met	Glu	Leu	Phe	Glu	Gly	Met	Arg	Glu
		35					40					45			
Ser	Thr	Lys	Ile	Ser	Ser	Leu	Leu	Ala	Glu	Leu	Glu	Ala	Ile	Gln	Arg
	50					55					60				
Asn	Ser	Ala	Ser	Gln	Lys	Ser	Val	Ile	Val	Ser	Gln	Trp	Thr	Asn	Met
65					70					75				80	
Leu	Lys	Val	Val	Ala	Leu	His	Leu	Lys	Lys	His	Gly	Leu	Thr	Tyr	Ala
				85					90					95	
Thr	Ile	Asp	Gly	Ser	Val	Asn	Pro	Lys	Gln	Arg	Met	Asp	Leu	Val	Glu
			100					105					110		
Ala	Phe	Asn	His	Ser	Arg	Gly	Pro	Gln	Val	Met	Leu	Ile	Ser	Leu	Leu
		115					120					125			
Ala	Gly	Val	Leu	Val											
130															

<210> 6270

<211> 466

<212> PRT

<213> Homo sapiens

<400> 6270

Asn	Thr	Val	Met	Gly	Arg	Lys	Lys	Lys	Lys	Gln	Leu	Lys	Pro	Trp	Cys
1						5				10				15	

5493

Trp Tyr Cys Asn Arg Asp Phe Asp Asp Glu Lys Ile Leu Ile Gln His
 20 25 30

Gln Lys Ala Lys His Phe Lys Cys His Ile Cys His Lys Lys Leu Tyr
 35 40 45

Thr Gly Pro Gly Leu Ala Ile His Cys Met Gln Val His Lys Glu Thr
 50 55 60

Ile Asp Ala Val Pro Asn Ala Ile Pro Gly Arg Thr Asp Ile Glu Leu
 65 70 75 80

Glu Ile Tyr Gly Met Glu Gly Ile Pro Glu Lys Asp Met Asp Glu Arg
 85 90 95

Arg Arg Leu Leu Glu Gln Lys Thr Gln Glu Ser Gln Lys Lys Lys Gln
 100 105 110

Gln Asp Asp Ser Asp Glu Tyr Asp Asp Asp Asp Ser Ala Ala Ser Thr
 115 120 125

Ser Phe Gln Pro Gln Pro Val Gln Pro Gln Gln Gly Tyr Ile Pro Pro
 130 135 140

Met Ala Gln Pro Gly Leu Pro Pro Val Pro Gly Ala Pro Gly Met Pro
 145 150 155 160

Pro Gly Ile Pro Pro Leu Met Pro Gly Val Pro Pro Leu Met Pro Gly
 165 170 175

Met Pro Pro Val Met Pro Gly Met Pro Pro Gly Leu His His Gln Arg
 180 185 190

Lys Tyr Thr Gln Ser Phe Cys Gly Glu Asn Ile Met Met Pro Met Gly
 195 200 205

Gly Met Met Pro Pro Gly Pro Gly Ile Pro Pro Leu Met Pro Gly Met
 210 215 220

Pro Pro Gly Met Pro Pro Pro Val Pro Arg Pro Gly Ile Pro Pro Met
 225 230 235 240

Thr Gln Ala Gln Ala Val Ser Ala Pro Gly Ile Leu Asn Arg Pro Pro
 245 250 255

Ala Pro Thr Ala Thr Val Pro Ala Pro Gln Pro Pro Val Thr Lys Pro
 260 265 270

Leu Phe Pro Ser Ala Gly Gln Ala Gln Ala Ala Val Gln Gly Pro Val
 275 280 285

5494

Gly Thr Asp Phe Lys Pro Leu Asn Ser Thr Pro Ala Thr Thr Thr Glu
 290 295 300
 Pro Pro Lys Pro Thr Phe Pro Ala Tyr Thr Gln Ser Thr Ala Ser Thr
 305 310 315 320
 Thr Ser Thr Thr Asn Ser Thr Ala Ala Lys Pro Ala Ala Ser Ile Thr
 325 330 335
 Ser Lys Pro Ala Thr Leu Thr Thr Thr Ser Ala Thr Ser Lys Leu Ile
 340 345 350
 His Pro Asp Glu Asp Ile Ser Leu Glu Glu Arg Arg Ala Gln Leu Pro
 355 360 365
 Lys Tyr Gln Arg Asn Leu Pro Arg Pro Gly Gln Ala Pro Ile Gly Asn
 370 375 380
 Pro Pro Val Gly Pro Ile Gly Gly Met Met Pro Pro Gln Pro Gly Ile
 385 390 395 400
 Pro Gln Gln Gln Gly Met Arg Pro Pro Met Pro Pro His Gly Gln Tyr
 405 410 415
 Gly Gly His His Gln Gly Met Pro Gly Tyr Leu Pro Gly Ala Met Pro
 420 425 430
 Pro Tyr Gly Gln Gly Pro Pro Met Val Pro Pro Tyr Gln Gly Gly Pro
 435 440 445
 Pro Arg Pro Pro Met Gly Met Arg Pro Pro Val Met Ser Gln Gly Gly
 450 455 460
 Arg Tyr
 465

<210> 6271

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5495

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6271

His	Thr	Ala	Leu	Ser	Ala	Phe	Thr	Ala	Ile	Pro	Ala	Val	Leu	Ala	Ala
1				5					10					15	
Pro	Ala	Met	Gly	Leu	Glu	Leu	Phe	Leu	Asp	Leu	Val	Ser	Gln	Pro	Ser
			20					25					30		
Arg	Ala	Val	Tyr	Ile	Phe	Ala	Lys	Lys	Asn	Gly	Ile	Pro	Leu	Glu	Leu
			35				40					45			
Arg	Thr	Val	Asp	Leu	Val	Lys	Gly	Gly	Pro	Ser	Pro	Phe	Pro	Arg	Val
			50			55					60				
Ser	Thr	Asn	Pro	Val	Xaa	Pro	Gln	Ala	Pro	Ala	Cys	Ser	Ala	Leu	Ser
65					70					75				80	
Val	Ser	Pro	Pro	His	Ser	Pro	Ser	Pro	Pro	Pro	Ala	Ala	Ser	Ala	Thr
				85					90					95	
Arg	Glu	Cys	Cys	Gly	Leu	Ser	Gly	Leu	Glu	Gly	Ser	Gln	Xaa	Xaa	
			100					105					110		

<210> 6272

<211> 670

<212> PRT

<213> Homo sapiens

<400> 6272

Val	Pro	Ser	Ala	Ser	Gln	Val	Arg	Ala	Ser	Leu	Pro	Glu	Pro	Arg	Asn
1				5					10					15	
Ser	Ala	Ala	Ala	Met	Ala	Ser	Asn	Met	Asp	Arg	Glu	Met	Ile	Leu	Ala
			20					25					30		
Asp	Phe	Gln	Ala	Cys	Thr	Gly	Ile	Glu	Asn	Ile	Asp	Glu	Ala	Ile	Thr
			35				40					45			
Leu	Leu	Glu	Gln	Asn	Asn	Trp	Asp	Leu	Val	Ala	Ala	Ile	Asn	Gly	Val
			50			55				60					
Ile	Pro	Gln	Glu	Asn	Gly	Ile	Leu	Gln	Ser	Glu	Tyr	Gly	Gly	Glu	Thr

5496

65		70		75		80									
Ile	Pro	Gly	Pro	Ala	Phe	Asn	Pro	Ala	Ser	His	Pro	Ala	Ser	Ala	Pro
				85					90					95	
Thr	Ser	Ser	Ser	Ser	Ser	Ala	Phe	Arg	Pro	Val	Met	Pro	Ser	Arg	Gln
			100					105					110		
Ile	Val	Glu	Arg	Gln	Pro	Arg	Met	Leu	Asp	Phe	Arg	Val	Glu	Tyr	Arg
		115					120				125				
Asp	Arg	Asn	Val	Asp	Val	Val	Leu	Glu	Asp	Thr	Cys	Thr	Val	Gly	Glu
		130				135					140				
Ile	Lys	Gln	Ile	Leu	Glu	Asn	Glu	Leu	Gln	Ile	Pro	Val	Ser	Lys	Met
145					150					155					160
Leu	Leu	Lys	Gly	Trp	Lys	Thr	Gly	Asp	Val	Glu	Asp	Ser	Thr	Val	Leu
			165					170						175	
Lys	Ser	Leu	His	Leu	Pro	Lys	Asn	Asn	Ser	Leu	Tyr	Val	Leu	Thr	Pro
			180					185					190		
Asp	Leu	Pro	Pro	Pro	Ser	Ser	Ser	Ser	His	Ala	Gly	Ala	Leu	Gln	Glu
		195					200					205			
Ser	Leu	Asn	Gln	Asn	Phe	Met	Leu	Ile	Ile	Thr	His	Arg	Glu	Val	Gln
		210				215					220				
Arg	Glu	Tyr	Asn	Leu	Asn	Phe	Ser	Gly	Ser	Ser	Thr	Ile	Gln	Glu	Val
225					230					235					240
Lys	Arg	Asn	Val	Tyr	Asp	Leu	Thr	Ser	Ile	Pro	Val	Arg	His	Gln	Leu
			245						250					255	
Trp	Glu	Gly	Trp	Pro	Thr	Ser	Ala	Thr	Asp	Asp	Ser	Met	Cys	Leu	Ala
			260					265					270		
Glu	Ser	Gly	Leu	Ser	Tyr	Pro	Cys	His	Arg	Leu	Thr	Val	Gly	Arg	Arg
		275					280					285			
Ser	Ser	Pro	Ala	Gln	Thr	Arg	Glu	Gln	Ser	Glu	Glu	Gln	Ile	Thr	Asp
		290				295					300				
Val	His	Met	Val	Ser	Asp	Ser	Asp	Gly	Asp	Asp	Phe	Glu	Asp	Ala	Thr
305					310					315					320
Glu	Phe	Gly	Val	Asp	Asp	Gly	Glu	Val	Phe	Gly	Met	Ala	Ser	Ser	Ala
			325					330						335	
Leu	Arg	Lys	Ser	Pro	Met	Met	Pro	Glu	Asn	Ala	Glu	Asn	Glu	Gly	Asp

5497

340	345	350
Ala Leu Leu Gln Phe Thr Ala Glu Phe Ser Ser Arg Tyr Gly Asp Cys		
355	360	365
His Pro Val Phe Phe Ile Gly Ser Leu Glu Ala Ala Phe Gln Glu Ala		
370	375	380
Phe Tyr Val Lys Ala Arg Asp Arg Lys Leu Leu Ala Ile Tyr Leu His		
385	390	395
His Asp Glu Ser Val Leu Thr Asn Val Phe Cys Ser Gln Met Leu Cys		
	405	410
Ala Glu Ser Ile Val Ser Tyr Leu Ser Gln Asn Phe Ile Thr Trp Ala		
	420	425
Trp Asp Leu Thr Lys Asp Ser Asn Arg Ala Arg Phe Leu Thr Met Cys		
	435	440
Asn Arg His Phe Gly Ser Val Val Ala Gln Thr Ile Arg Thr Gln Lys		
	450	455
Thr Asp Gln Phe Pro Leu Phe Leu Ile Ile Met Gly Lys Arg Ser Ser		
	465	470
Asn Glu Val Leu Asn Val Ile Gln Gly Asn Thr Thr Val Asp Glu Leu		
	485	490
Met Met Arg Leu Met Ala Ala Met Glu Ile Phe Thr Ala Gln Gln Gln		
	500	505
Glu Asp Ile Lys Asp Glu Asp Glu Arg Glu Ala Arg Glu Asn Val Lys		
	515	520
Arg Glu Gln Asp Glu Ala Tyr Arg Leu Ser Leu Glu Ala Asp Arg Ala		
	530	535
Lys Arg Glu Ala His Glu Arg Glu Met Ala Glu Gln Phe Arg Leu Glu		
	545	550
Gln Ile Arg Lys Glu Gln Glu Glu Glu Arg Glu Ala Ile Arg Leu Ser		
	565	570
Leu Glu Gln Ala Leu Pro Pro Glu Pro Lys Glu Glu Asn Ala Glu Pro		
	580	585
Val Ser Lys Leu Arg Ile Arg Thr Pro Ser Gly Glu Phe Leu Glu Arg		
	595	600
Arg Phe Leu Ala Ser Asn Lys Leu Gln Ile Val Phe Asp Phe Val Ala		

5498

610 615 620
 Ser Lys Gly Phe Pro Trp Asp Glu Tyr Lys Leu Leu Ser Thr Phe Pro
 625 630 635 640
 Arg Arg Asp Val Thr Gln Leu Asp Pro Asn Lys Ser Leu Leu Glu Val
 645 650 655
 Lys Leu Phe Pro Gln Glu Thr Leu Phe Leu Glu Ala Lys Glu
 660 665 670

<210> 6273
 <211> 496
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6273
 Pro Thr Arg Xaa Pro Thr Arg Pro Ala Arg Gly Trp Glu Ala Ile Thr
 1 5 10 15
 Tyr Leu Ala Leu Arg Lys Lys Thr Lys Ala Ser Met His Ser Phe Pro
 20 25 30
 Pro Leu Leu Leu Leu Leu Phe Trp Gly Val Val Ser His Ser Phe Pro
 35 40 45
 Ala Thr Leu Glu Thr Gln Glu Gln Asp Val Asp Leu Val Gln Lys Tyr
 50 55 60
 Leu Glu Lys Tyr Tyr Asn Leu Lys Asn Asp Gly Arg Gln Val Glu Lys
 65 70 75 80
 Arg Arg Asn Ser Gly Pro Val Val Glu Lys Leu Lys Gln Met Gln Glu
 85 90 95
 Phe Phe Gly Leu Lys Val Thr Gly Lys Pro Asp Ala Glu Thr Leu Lys
 100 105 110
 Val Met Lys Gln Pro Arg Cys Gly Val Pro Asp Val Ala Gln Phe Val
 115 120 125
 Leu Thr Glu Gly Asn Pro Arg Trp Glu Gln Thr His Leu Thr Tyr Arg
 130 135 140

5499

Ile	Glu	Asn	Tyr	Thr	Pro	Asp	Leu	Pro	Arg	Ala	Asp	Val	Asp	His	Ala	145	150	155	160
Ile	Glu	Lys	Ala	Phe	Gln	Leu	Trp	Ser	Asn	Val	Thr	Pro	Leu	Thr	Phe	165	170	175	
Thr	Lys	Val	Ser	Glu	Gly	Gln	Ala	Asp	Ile	Met	Ile	Ser	Phe	Val	Arg	180	185	190	
Gly	Asp	His	Arg	Asp	Asn	Ser	Pro	Phe	Asp	Gly	Pro	Gly	Gly	Asn	Leu	195	200	205	
Ala	His	Ala	Phe	Gln	Pro	Gly	Pro	Gly	Ile	Gly	Gly	Asp	Ala	His	Phe	210	215	220	
Asp	Glu	Asp	Glu	Arg	Trp	Thr	Asn	Asn	Phe	Arg	Glu	Tyr	Asn	Leu	His	225	230	235	240
Arg	Val	Ala	Ala	His	Glu	Leu	Gly	His	Ser	Leu	Gly	Leu	Ser	His	Ser	245	250	255	
Thr	Asp	Ile	Gly	Ala	Leu	Met	Tyr	Pro	Ser	Tyr	Thr	Phe	Ser	Gly	Asp	260	265	270	
Val	Gln	Leu	Ala	Gln	Asp	Asp	Ile	Asp	Gly	Ile	Gln	Ala	Ile	Tyr	Gly	275	280	285	
Arg	Ser	Gln	Asn	Pro	Val	Gln	Pro	Ile	Gly	Pro	Gln	Thr	Pro	Lys	Ala	290	295	300	
Cys	Asp	Ser	Lys	Leu	Thr	Phe	Asp	Ala	Ile	Thr	Thr	Ile	Arg	Gly	Glu	305	310	315	320
Val	Met	Phe	Phe	Lys	Asp	Arg	Phe	Tyr	Met	Arg	Thr	Asn	Pro	Phe	Tyr	325	330	335	
Pro	Glu	Val	Glu	Leu	Asn	Phe	Ile	Ser	Val	Phe	Trp	Pro	Gln	Leu	Pro	340	345	350	
Asn	Gly	Leu	Glu	Ala	Ala	Tyr	Glu	Phe	Ala	Asp	Arg	Asp	Glu	Val	Arg	355	360	365	
Phe	Phe	Lys	Gly	Asn	Lys	Tyr	Trp	Ala	Val	Gln	Gly	Gln	Asn	Val	Leu	370	375	380	
His	Gly	Tyr	Pro	Lys	Asp	Ile	Tyr	Ser	Ser	Phe	Gly	Phe	Pro	Arg	Thr	385	390	395	400
Val	Lys	His	Ile	Asp	Ala	Ala	Leu	Ser	Glu	Glu	Asn	Thr	Gly	Lys	Thr	405	410	415	

5500

Tyr Phe Phe Val Ala Asn Lys Tyr Trp Arg Tyr Asp Glu Tyr Lys Arg
420 425 430

Ser Met Asp Pro Gly Tyr Pro Lys Met Ile Ala His Asp Phe Pro Gly
435 440 445

Ile Gly His Lys Val Asp Ala Val Phe Met Lys Asp Gly Phe Phe Tyr
450 455 460

Phe Phe His Gly Thr Arg Gln Tyr Lys Phe Asp Pro Lys Thr Lys Arg
465 470 475 480

Ile Leu Thr Leu Gln Lys Ala Asn Ser Trp Phe Asn Cys Arg Lys Asn
485 490 495

<210> 6274

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6274

5501

Arg Leu Pro Arg Gln Lys Ser Arg Xaa Lys Leu Ser Xaa Ser His Val
 1 5 10 15
 Thr Gln Xaa Arg Leu Ile Lys Phe Phe Xaa Leu Phe Pro Ile Ile Phe
 20 25 30
 Xaa Met Ser Lys Leu Thr Lys Arg Ser Lys Gly Phe Leu Gly Leu Leu
 35 40 45
 Thr Ser Ser Val Glu Ile Leu Val Leu Cys Gly Gln Gly Lys Ala Lys
 50 55 60
 Ala Phe Leu Phe Ser Leu Cys Tyr Leu Glu Asp Arg Lys Thr Ser Cys
 65 70 75 80
 Leu His Pro Leu Ala Val Cys Arg Ile Thr Leu Ser Leu Arg Tyr
 85 90 95

<210> 6275

<211> 135

<212> PRT

<213> Homo sapiens

<400> 6275

Arg Pro Pro Ile Ser Ser Ala Gly His Leu Pro Gly Val Cys Lys Val
 1 5 10 15
 Ser Thr Asp Leu Leu Arg Glu Gly Ala Pro Ile Glu Pro Asp Pro Pro
 20 25 30
 Val Ser His Trp Lys Pro Glu Ala Val Gln Tyr Tyr Glu Asp Gly Ala
 35 40 45
 Arg Ile Glu Ala Ala Phe Arg Asn Tyr Ile His Arg Ala Asp Ala Arg
 50 55 60
 Gln Glu Glu Asp Ser Tyr Glu Ile Phe Ile Cys His Ala Asn Val Ile
 65 70 75 80
 Arg Tyr Ile Val Cys Arg Ala Leu Gln Phe Pro Pro Glu Gly Trp Leu
 85 90 95
 Arg Leu Ser Leu Asn Asn Gly Ser Ile Thr His Leu Val Ile Arg Pro
 100 105 110
 Asn Gly Arg Val Ala Leu Arg Thr Leu Gly Asp Thr Gly Phe Met Pro
 115 120 125

Pro Asp Lys Ile Thr Arg Ser

5502

130

135

<210> 6276

<211> 159

<212> PRT

<213> Homo sapiens

<400> 6276

Thr Ser His Ala Arg Phe Gln Ala Leu His Ala Thr Gly Ser Val Leu
 1 5 10 15

Ala Ala Ser Ser Leu Ser Trp Asn Ser Ser Ser Gln Leu Leu Leu Pro
 20 25 30

Glu Phe Gln Gly Glu Pro Pro Ser Ala Pro Ser Glu Tyr Ala Gly Leu
 35 40 45

Val Val Arg Thr Val Leu Glu Pro Val Leu Gln Gly Leu Gln Gly Leu
 50 55 60

Pro Pro Gln Ala Gln Ala Pro Ala Leu Gly Gln Ala Leu Thr Ala Ile
 65 70 75 80

Val Gly Ala Trp Leu Asp His Ile Leu Thr His Gly Ile Arg Phe Arg
 85 90 95

Ser Gly Val Lys Val Glu Val Ala Gly Gly Glu Trp Asn Trp Glu Lys
 100 105 110

Glu Gly Asp Lys Trp Glu Arg Gln Glu Gly Gln Val Ala Ile Leu Tyr
 115 120 125

Leu Cys Leu Gln Pro Ala Gly Ser Ala Ala Ala Gln Thr Arg Leu Trp
 130 135 140

Ser Gly Gln Gly Val Ala Gly Arg Gly Ala Val Glu Pro Val Pro
 145 150 155

<210> 6277

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

5503

<400> 6277

Ala Gln Gly Ala Ala Trp Xaa Cys Gln Ser Pro Gly Pro Arg Ala Leu
 1 5 10 15

Leu Glu Arg Arg Gln Thr Glu Ala Ala Gly Pro Ala Ser Arg Arg Arg
 20 25 30

Gly Glu Met Ser Asp Cys Tyr Thr Glu Leu Glu Lys Ala Val Ile Val
 35 40 45

Leu Val Glu Asn Phe Tyr Lys Tyr Val Ser Lys Tyr Ser Leu Val Lys
 50 55 60

Asn Lys Ile Ser Lys Ser Ser Phe Arg Glu Met Leu Gln Lys Glu Leu
 65 70 75 80

Asn His Met Leu Ser His Cys
 85

<210> 6278

<211> 383

<212> PRT

<213> Homo sapiens

<400> 6278

His Ala Ser Ala His Ala Ser Gly Ala Leu Pro Gly Leu Thr Ala Thr
 1 5 10 15

Pro Glu Ala Met Leu Arg Phe Leu Pro Asp Leu Ala Phe Ser Phe Leu
 20 25 30

Leu Ile Leu Ala Leu Gly Gln Ala Val Gln Phe Gln Glu Tyr Val Phe
 35 40 45

Leu Gln Phe Leu Gly Leu Asp Lys Ala Pro Ser Pro Gln Lys Phe Gln
 50 55 60

Pro Val Pro Tyr Ile Leu Lys Lys Ile Phe Gln Asp Arg Glu Ala Ala
 65 70 75 80

Ala Thr Thr Gly Val Ser Arg Asp Leu Cys Tyr Val Lys Glu Leu Gly
 85 90 95

Val Arg Gly Asn Val Leu Arg Phe Leu Pro Asp Gln Gly Phe Phe Leu
 100 105 110

Tyr Pro Lys Lys Ile Ser Gln Ala Ser Ser Cys Leu Gln Lys Leu Leu
 115 120 125

5504

Tyr	Phe	Asn	Leu	Ser	Ala	Ile	Lys	Glu	Arg	Glu	Gln	Leu	Thr	Leu	Ala	130	135	140	
Gln	Leu	Gly	Leu	Asp	Leu	Gly	Pro	Asn	Ser	Tyr	Tyr	Asn	Leu	Gly	Pro	145	150	155	160
Glu	Leu	Glu	Leu	Ala	Leu	Phe	Leu	Val	Gln	Glu	Pro	His	Val	Trp	Gly	165	170	175	
Gln	Thr	Thr	Pro	Lys	Pro	Gly	Lys	Met	Phe	Val	Leu	Arg	Ser	Val	Pro	180	185	190	
Trp	Pro	Gln	Gly	Ala	Val	His	Phe	Asn	Leu	Leu	Asp	Val	Ala	Lys	Asp	195	200	205	
Trp	Asn	Asp	Asn	Pro	Arg	Lys	Asn	Phe	Gly	Leu	Phe	Leu	Glu	Ile	Leu	210	215	220	
Val	Lys	Glu	Asp	Arg	Asp	Ser	Gly	Val	Asn	Phe	Gln	Pro	Glu	Asp	Thr	225	230	235	240
Cys	Ala	Arg	Leu	Arg	Cys	Ser	Leu	His	Ala	Ser	Leu	Leu	Val	Val	Thr	245	250	255	
Leu	Asn	Pro	Asp	Gln	Cys	His	Pro	Ser	Arg	Lys	Arg	Arg	Ala	Ala	Ile	260	265	270	
Pro	Val	Pro	Lys	Leu	Ser	Cys	Lys	Asn	Leu	Cys	His	Arg	His	Gln	Leu	275	280	285	
Phe	Ile	Asn	Phe	Arg	Asp	Leu	Gly	Trp	His	Lys	Trp	Ile	Ile	Ala	Pro	290	295	300	
Lys	Gly	Phe	Met	Ala	Asn	Tyr	Cys	His	Gly	Glu	Cys	Pro	Phe	Ser	Leu	305	310	315	320
Thr	Ile	Ser	Leu	Asn	Ser	Ser	Asn	Tyr	Ala	Phe	Met	Gln	Ala	Leu	Met	325	330	335	
His	Ala	Val	Asp	Pro	Glu	Ile	Pro	Gln	Ala	Val	Cys	Ile	Pro	Thr	Lys	340	345	350	
Leu	Ser	Pro	Ile	Ser	Met	Leu	Tyr	Gln	Asp	Asn	Asn	Asp	Asn	Val	Ile	355	360	365	
Leu	Arg	His	Tyr	Glu	Asp	Met	Val	Val	Asp	Glu	Cys	Gly	Cys	Gly		370	375	380	

5505

<210> 6279

<211> 70

<212> PRT

<213> Homo sapiens

<400> 6279

Arg	Gln	Arg	Arg	Lys	Gly	Gly	Gly	Asn	Asp	Ser	Arg	Pro	Lys	Trp	Pro
1				5					10					15	

His	Leu	Glu	Asp	Thr	Ser	Asp	Asp	Asn	His	Cys	Tyr	Val	Cys	Ala	Ile
			20					25					30		

Leu	Phe	Asn	Ser	Ala	Val	Tyr	Val	Val	Asp	Lys	Leu	Tyr	Glu	Ile	Ser
		35					40					45			

Ser	Leu	Ser	Arg	Tyr	Leu	Glu	Val	Leu	Asp	Val	Phe	Lys	Ser	Gly	Ser
	50					55					60				

Arg	Ile	Thr	Leu	Cys	Lys
65					70

<210> 6280

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6280

Gly	Thr	Thr	Asn	Ile	Phe	Tyr	Val	Val	Asn	Ser	Ile	Lys	Leu	Ala	Ser
1				5					10					15	

Phe	Gly	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Asn	Ser	Arg	Gly	Gly	Pro	Xaa
			20					25						30	

Pro	Asn	Ser	Pro	Tyr	Ser	Glu	Ser	Xaa	Tyr	Asn	Ser	Leu	Ala	Val	Val
		35					40					45			

Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg
	50					55					60				

5506

Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala
 65 70 75 80

Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp
 85 90 95

Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala Leu Asn Phe Cys
 100 105 110

<210> 6281

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6281

Asn Leu Gly Thr Leu Lys Lys Glu Gln Asp Asn Ser Tyr Val Gln Gly
 1 5 10 15

Thr Arg Glu Ile Thr Ile Arg Ser Gly Cys Leu Xaa Ala Arg Gln Asn
 20 25 30

Arg Thr Ile Phe Leu Phe Phe Gln Lys Gln Ile Gly Glu Ile Ser Leu
 35 40 45

Asn Ser Phe Ser Gln Gln Arg Thr Ala Trp Arg Lys Arg Val Cys Ser
 50 55 60

<210> 6282

<211> 469

<212> PRT

<213> Homo sapiens

<400> 6282

Val Arg Gly Leu Ser Gly Ser Cys Pro Gly Cys Ser Pro Leu Glu Pro
 1 5 10 15

5507

Gly Ser Arg Gly Arg Gly Ala Ala Ala Trp Arg Ile Leu Arg Cys Arg
 20 25 30
 Arg Leu Pro Glu Pro Ser Pro Phe Leu Thr Gln Pro Asn Leu Ala Gln
 35 40 45
 Ser Gln Pro Pro Ala Pro Val Pro Val Thr Asp Pro Ser Val Thr Met
 50 55 60
 His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu Leu
 65 70 75 80
 Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr Ser
 85 90 95
 Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val Ala
 100 105 110
 Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu His
 115 120 125
 Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro Asn
 130 135 140
 Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser Asp
 145 150 155 160
 Ile Ala Gln Arg Tyr Arg Ile Ser Lys Tyr Pro Thr Leu Lys Leu Phe
 165 170 175
 Arg Asn Gly Met Met Met Lys Arg Glu Tyr Arg Gly Gln Arg Ser Val
 180 185 190
 Lys Ala Leu Ala Asp Tyr Ile Arg Gln Gln Lys Ser Asp Pro Ile Gln
 195 200 205
 Glu Ile Arg Asp Leu Ala Glu Ile Thr Thr Leu Asp Arg Ser Lys Arg
 210 215 220
 Asn Ile Ile Gly Tyr Phe Glu Gln Lys Asp Ser Asp Asn Tyr Arg Val
 225 230 235 240
 Phe Glu Arg Val Ala Asn Ile Leu His Asp Asp Cys Ala Phe Leu Ser
 245 250 255
 Ala Phe Gly Asp Val Ser Lys Pro Glu Arg Tyr Ser Gly Asp Asn Ile
 260 265 270
 Ile Tyr Lys Pro Pro Gly His Ser Ala Pro Asp Met Val Tyr Leu Gly
 275 280 285

5508

Ala Met Thr Asn Phe Asp Val Thr Tyr Asn Trp Ile Gln Asp Lys Cys
 290 295 300
 Val Pro Leu Val Arg Glu Ile Thr Phe Glu Asn Gly Glu Glu Leu Thr
 305 310 315 320
 Glu Glu Gly Leu Pro Phe Leu Ile Leu Phe His Met Lys Glu Asp Thr
 325 330 335
 Glu Ser Leu Glu Ile Phe Gln Asn Glu Val Ala Arg Gln Leu Ile Ser
 340 345 350
 Glu Lys Gly Thr Ile Asn Phe Leu His Ala Asp Cys Asp Lys Phe Arg
 355 360 365
 His Pro Leu Leu His Ile Gln Lys Thr Pro Ala Asp Cys Pro Val Ile
 370 375 380
 Ala Ile Asp Ser Phe Arg His Met Tyr Val Phe Gly Asp Phe Lys Asp
 385 390 395 400
 Val Leu Ile Pro Gly Lys Leu Lys Gln Phe Val Phe Asp Leu His Ser
 405 410 415
 Gly Lys Leu His Arg Glu Phe His His Gly Pro Asp Pro Thr Asp Thr
 420 425 430
 Ala Pro Gly Glu Gln Ala Gln Asp Val Ala Ser Ser Pro Pro Glu Ser
 435 440 445
 Ser Phe Gln Lys Leu Ala Pro Ser Glu Tyr Arg Tyr Thr Leu Leu Arg
 450 455 460
 Asp Arg Asp Glu Leu
 465

<210> 6283

<211> 172

<212> PRT

<213> Homo sapiens

<400> 6283

Pro Arg Gly Ala Arg Gln Asp Thr Glu Ala Gly Ser Pro Trp Cys Ser
 1 5 10 15

Tyr Arg His Gly Pro Leu Ser Ser Arg Gln Asp Cys Pro Arg Ala Trp
 20 25 30

Gln Trp Arg Gln Pro His Arg Pro Gly His Leu Gln Asp Val Pro Pro

5509

35	40	45
Pro Gly Ile His Leu Gln Arg Leu Ser Gln Pro Gly Pro Arg Glu Ala		
50	55	60
Leu Arg Glu Cys Pro Ser Gln Trp Pro Leu Ile Arg Gly Arg His Leu		
65	70	75
Cys Gln Leu Arg Gln Pro Gln Gly Asp Ser Gly Pro Ala Gly Leu Gly		
85	90	95
Arg Arg Asp Gly Pro Ser Ala Phe Cys His Pro Ala Arg Cys Cys His		
100	105	110
Cys Ser Arg Gln Cys Pro Ala Pro Gly Leu Cys Ala Gly Gly Val Leu		
115	120	125
Ala Ala Leu Pro Ser Ser Gly Leu Trp Glu Lys Gly Thr Met Asp Ala		
130	135	140
Val Gly His Gly His Asp Gly Ala Ser Arg Arg Val Thr Leu Gly Leu		
145	150	155
Gln Gly Asp Ile Lys Gly Gln Gly Cys Leu Leu Arg		
165	170	

<210> 6284

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6284

Pro Ser Pro Pro Ser Pro Pro Cys Asn Thr Thr Ala Leu Gly Ala Leu
1 5 10 15
Ser Thr Ser Ile Met Gly Pro Arg Pro His Ala Tyr Phe Gly Pro Glu
20 25 30
Ala Ser Ala Ser Lys Phe Lys Leu Leu His Pro Asp Phe Ile Ser Tyr
35 40 45
Leu Thr Glu Arg Phe Leu Lys Ser Lys Leu Ile Asn Thr His Phe Gly
50 55 60

5510

Asp Leu Tyr Met Pro Ser Thr Gly Ala Leu Met Leu Leu Thr Ala Xaa
 65 70 75 80
 His Thr Cys Asp Gln Val Ser Ala Tyr Gly Phe Ile Thr Ser Asn Tyr
 85 90 95
 Trp Lys Phe Ser Asp His Tyr Phe Glu Arg Lys Met Lys Pro Leu Ile
 100 105 110
 Phe Tyr Ala Asn His Asp Leu Ser Leu Glu Ala Ala Leu Trp Arg Asp
 115 120 125
 Leu His Lys Ala Gly Ile Leu Gln Leu Tyr Gln Arg
 130 135 140

<210> 6285

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6285

Ile Tyr Cys Ala Leu Leu Gly Cys Met Asp Asp Tyr Thr Thr Asp Ser
 1 5 10 15

Arg Gly Asp Val Gly Thr Trp Val Arg Lys Ala Ala Met Thr Ser Leu
 20 25 30

Met Asp Leu Thr Leu Leu Leu Ala Arg Ser Gln Pro Glu Leu Ile Glu
 35 40 45

5511

Ala His Thr Cys Glu Arg Ile Met Cys Cys Val Ala Gln Gln Ala Ser
 50 55 60

Glu Lys Ile Asp Arg Phe Arg Ala His Ala Ala Ser Val Phe Leu Thr
 65 70 75 80

Leu Leu His Phe Asp Ser Pro Pro Ile Pro His Val Pro His Arg Gly
 85 90 95

Glu Leu Glu Lys Leu Phe Pro Arg Ser Asp Val Ala Ser Val Asn Trp
 100 105 110

Ser Ala Xaa Ser Gln Ala Phe Pro Arg Ile Thr Xaa Pro Trp Val Ala
 115 120 125

Thr Tyr Gly Xaa Xaa Ser Trp Trp Gly
 130 135

<210> 6286

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6286

Arg Trp Gly Ser Lys Ser Pro Thr Ala Leu Pro Ile Phe Leu Glu Leu
 1 5 10 15

Thr Ala Gly Val Leu Ala Phe Val Phe Lys Asp Trp Ile Lys Asp Gln
 20 25 30

Leu Tyr Phe Phe Ile Xaa Asn Asn Ile Arg Ala Tyr Arg Asp Asp Ile
 35 40 45

Asp Leu Gln Asn Leu Ile Asp Phe Thr Gln Glu Tyr Trp Gln Cys Cys
 50 55 60

Gly Ala Phe Gly Ala Asp Asp Trp Asn Leu Asn Ile Tyr Phe Asn Cys
 65 70 75 80

Thr Asp Ser Asn Ala Ser Arg Glu Arg Cys Gly Val Pro Phe Ser Cys
 85 90 95

Cys Thr Lys Asp Pro Ala Glu Asp Val Ile Asn Thr Glu Cys Gly Tyr

5512

100 105 110
 Gly Cys Gln Ala Lys Thr Arg Ser
 115 120

 <210> 6287
 <211> 153
 <212> PRT
 <213> Homo sapiens

 <400> 6287
 Ser Thr His Ala Ser Gly Ser Pro Ser Pro Ala Asn His Gly Glu Leu
 1 5 10 15
 Gly Ser Val Pro Gly Gly Arg Arg Arg Gly Cys Gln Ala Pro Gly Thr
 20 25 30
 Arg Gly Val Cys Arg Met Pro Val Thr Arg Leu His Glu Gly Arg Phe
 35 40 45
 His Leu Arg His Arg His Arg His Gly Leu Trp Leu Ala Asp Val His
 50 55 60
 Ser Glu Glu Val Ser Ile Pro Phe Ala Val Glu Pro Pro Ser Gly Arg
 65 70 75 80
 Gly Cys Arg Leu Cys Gly Gln Leu Arg Gly Asp Glu Ser Gly Val Gly
 85 90 95
 Glu Met Gln Gln Pro Leu Ala Leu Pro Gly Asp Arg Ala Ala Pro Gln
 100 105 110
 Arg Gln Glu His Arg Ser Glu Lys Leu Gly Glu Leu Gln Gln Gly His
 115 120 125
 Arg Gly Leu Gly Ala Gly Gly Val Trp Asn Thr Ala Phe Met Pro Pro
 130 135 140
 Asp Pro Arg Pro Thr Leu Pro Thr Pro
 145 150

<210> 6288
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 6288

5513

Ala Lys Ile Ala Lys Glu Glu Ile Phe Gly Pro Val Met Gln Ile Leu
 1 5 10 15
 Lys Phe Lys Thr Ile Glu Glu Val Val Gly Arg Ala Asn Asn Ser Thr
 20 25 30
 Tyr Gly Leu Ala Ala Ala Val Phe Thr Lys Asp Leu Asp Lys Ala Asn
 35 40 45
 Tyr Leu Ser Gln Ala Leu Gln Ala Gly Thr Val Trp Val Asn Cys Tyr
 50 55 60
 Asp Val Phe Gly Ala Gln Ser Pro Phe Gly Gly Tyr Lys Met Ser Gly
 65 70 75 80
 Ser Gly Arg Glu Leu Gly Glu Tyr Gly Leu Gln Ala Tyr Thr Glu Val
 85 90 95
 Lys Thr Val Thr Val Lys Val Pro Gln Lys Asn Ser
 100 105

<210> 6289

<211> 341

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (291)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6289

Met Asn Thr Asn Trp Pro Ala Ser Val Gln Val Ser Val Asn Ala Thr
 1 5 10 15

Pro Leu Thr Ile Glu Arg Gly Asp Asn Lys Thr Ser His Lys Pro Leu
 20 25 30

Tyr Leu Lys His Val Cys Gln Pro Gly Arg Asn Thr Ile Gln Ile Thr

5514

35	40	45																	
Val	Thr	Ala	Cys	Cys	Cys	Ser	His	Leu	Phe	Val	Leu	Gln	Leu	Val	His				
50						55					60								
Arg	Pro	Ser	Val	Arg	Ser	Val	Leu	Gln	Gly	Leu	Leu	Lys	Lys	Arg	Leu				
65					70					75					80				
Leu	Pro	Ala	Glu	His	Cys	Ile	Thr	Lys	Ile	Lys	Arg	Asn	Phe	Ser	Ser				
				85					90					95					
Gly	Thr	Ile	Pro	Gly	Thr	Pro	Gly	Pro	Asn	Gly	Glu	Asp	Gly	Val	Glu				
			100					105					110						
Gln	Thr	Ala	Ile	Lys	Val	Ser	Leu	Lys	Cys	Pro	Ile	Thr	Phe	Arg	Arg				
		115					120						125						
Ile	Gln	Leu	Pro	Ala	Arg	Gly	His	Asp	Cys	Arg	His	Ile	Gln	Cys	Phe				
130						135					140								
Asp	Leu	Glu	Ser	Tyr	Leu	Gln	Leu	Asn	Cys	Glu	Arg	Gly	Thr	Trp	Arg				
145					150					155					160				
Cys	Pro	Val	Cys	Asn	Lys	Thr	Ala	Leu	Leu	Glu	Gly	Leu	Glu	Val	Asp				
				165					170					175					
Gln	Tyr	Met	Leu	Gly	Ile	Leu	Ile	Tyr	Ile	Gln	Asn	Ser	Asp	Tyr	Glu				
			180					185					190						
Glu	Ile	Thr	Ile	Asp	Pro	Thr	Cys	Ser	Trp	Lys	Pro	Val	Pro	Val	Lys				
		195					200					205							
Pro	Asp	Met	His	Ile	Lys	Glu	Glu	Pro	Asp	Gly	Pro	Ala	Leu	Lys	Arg				
	210					215					220								
Xaa	Arg	Thr	Val	Ser	Pro	Xaa	His	Val	Leu	Met	Pro	Ser	Val	Met	Glu				
225					230					235					240				
Met	Ile	Ala	Ala	Leu	Gly	Pro	Gly	Ala	Ala	Pro	Phe	Ala	Pro	Leu	Gln				
				245					250					255					
Pro	Pro	Ser	Val	Pro	Pro	Pro	Ala	Ser	Arg	Gln	Ser	Leu	Gly	Gln	Ala				
			260					265					270						
Ser	Leu	Gly	Pro	Thr	Gly	Glu	Leu	Ala	Phe	Ser	Pro	Ala	Thr	Gly	Val				
		275					280					285							
Met	Gly	Xaa	Pro	Ser	Met	Ser	Gly	Ala	Gly	Glu	Ala	Pro	Glu	Pro	Ala				
	290					295					300								
Leu	Asp	Leu	Leu	Pro	Glu	Leu	Thr	Asn	Pro	Asp	Glu	Leu	Leu	Ser	Tyr				

5515

305 310 315 320

Leu Gly Pro Pro Asp Leu Pro Thr Asn Asn Asn Asp Asp Leu Leu Ser
 325 330 335

Leu Phe Glu Asn Asn
 340

<210> 6290

<211> 235

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

 $\langle 222 \rangle \quad (233)$

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6290

5516

Ala Val Leu Cys Pro Ser Xaa Pro Cys Gln Xaa Pro Thr Gln Pro Pro
 1 5 10 15
 Gly Ala Cys Cys Pro Ser Cys Asp Ser Cys Thr Tyr His Ser Gln Val
 20 25 30
 Tyr Ala Asn Gly Gln Asn Phe Thr Asp Ala Asp Ser Pro Cys His Ala
 35 40 45
 Cys His Cys Gln Asp Gly Thr Val Thr Cys Ser Leu Val Asp Cys Pro
 50 55 60
 Xaa Thr Thr Cys Ala Arg Pro Gln Ser Gly Pro Gly Gln Cys Cys Pro
 65 70 75 80
 Arg Cys Pro Asp Cys Ile Leu Glu Glu Glu Val Phe Val Asp Gly Glu
 85 90 95
 Ser Phe Ser His Pro Arg Asp Pro Cys Gln Glu Cys Arg Cys Gln Glu
 100 105 110
 Gly His Ala His Cys Gln Pro Arg Pro Cys Pro Arg Ala Pro Cys Ala
 115 120 125
 His Pro Leu Pro Gly Thr Cys Cys Pro Asn Asp Cys Ser Gly Cys Ala
 130 135 140
 Phe Gly Gly Lys Glu Tyr Pro Ser Gly Ala Asp Xaa Pro His Pro Ser
 145 150 155 160
 Asp Pro Cys Arg Leu Cys Arg Cys Leu Ser Gly Asn Val Gln Cys Leu
 165 170 175
 Ala Arg Arg Cys Val Pro Leu Pro Cys Pro Glu Pro Val Leu Leu Pro
 180 185 190
 Gly Glu Cys Cys Pro Glu Trp Pro Lys Pro Pro Ser Pro Arg Pro Ala
 195 200 205
 Ala His Gly Pro Gly Xaa Gly Pro Thr Ala Arg Pro Pro Arg Lys Tyr
 210 215 220
 Leu Phe Ser Pro Xaa Pro Gly Asp Xaa Leu Gly
 225 230 235

<210> 6291

<211> 55

<212> PRT

<213> Homo sapiens

5517

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6291

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25					30		

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
		35					40					45			

Ser	Xaa	Arg	Ala	Lys	Leu	Gln
50					55	

<210> 6292

<211> 421

<212> PRT

<213> Homo sapiens

<400> 6292

Val	Gly	Asp	Cys	Cys	Val	Pro	Tyr	Leu	Asp	Pro	Glu	Gly	Thr	Ser	Leu
1				5					10					15	

Leu	Gly	Trp	Leu	Ser	Val	Ser	Leu	Leu	Ser	Ser	Gly	Glu	Ile	Thr	Ala
			20					25					30		

Ser	Ser	Ala	Pro	Arg	Met	Glu	Pro	Pro	Gly	Arg	Arg	Glu	Cys	Pro	Phe
		35					40					45			

Pro	Ser	Trp	Arg	Phe	Pro	Gly	Leu	Leu	Leu	Ala	Ala	Met	Val	Leu	Leu
		50				55				60					

Leu	Tyr	Ser	Phe	Ser	Asp	Ala	Cys	Glu	Glu	Pro	Pro	Thr	Phe	Glu	Ala
65					70					75				80	

Met	Glu	Leu	Ile	Gly	Lys	Pro	Lys	Pro	Tyr	Tyr	Glu	Ile	Gly	Glu	Arg
				85					90					95	

Val	Asp	Tyr	Lys	Cys	Lys	Lys	Gly	Tyr	Phe	Tyr	Ile	Pro	Pro	Leu	Ala
			100					105					110		

Thr	His	Thr	Ile	Cys	Asp	Arg	Asn	His	Thr	Trp	Leu	Pro	Val	Ser	Asp
		115					120					125			

5518

Asp	Ala	Cys	Tyr	Arg	Glu	Thr	Cys	Pro	Tyr	Ile	Arg	Asp	Pro	Leu	Asn	130	135	140	
Gly	Gln	Ala	Val	Pro	Ala	Asn	Gly	Thr	Tyr	Glu	Phe	Gly	Tyr	Gln	Met	145	150	155	160
His	Phe	Ile	Cys	Asn	Glu	Gly	Tyr	Tyr	Leu	Ile	Gly	Glu	Glu	Ile	Leu	165	170	175	
Tyr	Cys	Glu	Leu	Lys	Gly	Ser	Val	Ala	Ile	Trp	Ser	Gly	Lys	Pro	Pro	180	185	190	
Ile	Cys	Glu	Lys	Val	Leu	Cys	Thr	Pro	Pro	Pro	Lys	Ile	Lys	Asn	Gly	195	200	205	
Lys	His	Thr	Phe	Ser	Glu	Val	Glu	Val	Phe	Glu	Tyr	Leu	Asp	Ala	Val	210	215	220	
Thr	Tyr	Ser	Cys	Asp	Pro	Ala	Pro	Gly	Pro	Asp	Pro	Phe	Ser	Leu	Ile	225	230	235	240
Gly	Glu	Ser	Thr	Ile	Tyr	Cys	Gly	Asp	Asn	Ser	Val	Trp	Ser	Arg	Ala	245	250	255	
Ala	Pro	Glu	Cys	Lys	Val	Val	Lys	Cys	Arg	Phe	Pro	Val	Val	Glu	Asn	260	265	270	
Gly	Lys	Gln	Ile	Ser	Gly	Phe	Gly	Lys	Lys	Phe	Tyr	Tyr	Lys	Ala	Thr	275	280	285	
Val	Met	Phe	Glu	Cys	Asp	Lys	Gly	Phe	Tyr	Leu	Asp	Gly	Ser	Asp	Thr	290	295	300	
Ile	Val	Cys	Asp	Ser	Asn	Ser	Thr	Trp	Asp	Pro	Pro	Val	Pro	Lys	Cys	305	310	315	320
Leu	Lys	Val	Ser	Thr	Ser	Ser	Thr	Thr	Lys	Ser	Pro	Ala	Ser	Ser	Ala	325	330	335	
Ser	Gly	Pro	Arg	Pro	Thr	Tyr	Lys	Pro	Pro	Val	Ser	Asn	Tyr	Pro	Gly	340	345	350	
Tyr	Pro	Lys	Pro	Glu	Glu	Gly	Ile	Leu	Asp	Ser	Leu	Asp	Val	Trp	Val	355	360	365	
Ile	Ala	Val	Ile	Val	Ile	Ala	Ile	Val	Val	Gly	Val	Ala	Val	Ile	Cys	370	375	380	
Val	Val	Pro	Tyr	Arg	Tyr	Leu	Gln	Arg	Arg	Lys	Lys	Lys	Gly	Lys	Ala	385	390	395	400

5519

Asp Gly Gly Ala Glu Tyr Ala Thr Tyr Gln Thr Lys Ser Thr Thr Pro
 405 410 415

Ala Glu Gln Arg Gly
 420

<210> 6293

<211> 80

<212> PRT

<213> Homo sapiens

<400> 6293

Gly His Cys Gln Gly Leu Lys Pro Val Glu Gln Pro Leu Ala Met Ser
 1 5 10 15

Pro Leu Gln Tyr Ser Phe Met Ala Val Ile His Phe Ala Gly Leu Lys
 20 25 30

Ala Val Gly Glu Ser Val Gln Lys Pro Leu Asp Tyr Tyr Arg Val Asn
 35 40 45

Leu Thr Gly Thr Ile Gln Leu Leu Glu Ile Met Lys Ala His Gly Val
 50 55 60

Lys Asn Leu Val Phe Ser Ser Ser Ala Thr Val Tyr Gly Asn Pro Gln
 65 70 75 80

<210> 6294

<211> 78

<212> PRT

<213> Homo sapiens

<400> 6294

Glu Ala Asp Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
 1 5 10 15

Val Cys Ile Gln Thr His Ile Phe Leu Lys Cys Lys Tyr Ser Leu Phe
 20 25 30

Lys Lys Ile Ile Ile Thr Ala Lys Gln Ile Thr Ser Asn Ser Phe Ile
 35 40 45

Leu Ile Tyr Pro Val Phe Arg Phe Ser Arg Leu Ala Pro Asn Phe Phe
 50 55 60

5520

Thr Asp Tyr Leu Asn Leu Ile Gln Phe Met Tyr Cys Asn Val
 65 70 75

<210> 6295

<211> 284

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6295

Phe Ser Val Val Asp Xaa Arg Lys Phe Ser Ala Val Ser Gly Glu Thr
 1 5 10 15

Arg Gly Leu Arg Val Ser Leu Ser Val Phe Gln Ser Pro Gly Ala Val
 20 25 30

Val Gln Gly Leu Gly Leu Val Met Ala Ser Pro Ser Arg Arg Leu Gln
 35 40 45

Thr Lys Pro Val Ile Thr Cys Phe Lys Ser Val Leu Leu Ile Tyr Thr
 50 55 60

Phe Ile Phe Trp Ile Thr Gly Val Ile Leu Leu Ala Val Gly Ile Trp
 65 70 75 80

Gly Lys Val Ser Leu Glu Asn Tyr Phe Ser Leu Leu Asn Glu Lys Ala
 85 90 95

Thr Asn Val Pro Phe Val Leu Ile Ala Thr Gly Thr Val Ile Ile Leu
 100 105 110

Leu Gly Thr Phe Gly Cys Phe Ala Thr Cys Arg Ala Ser Ala Trp Met
 115 120 125

Leu Lys Leu Tyr Ala Met Phe Leu Thr Leu Val Phe Leu Val Glu Leu
 130 135 140

Val Ala Ala Ile Val Gly Phe Val Phe Arg His Glu Ile Lys Asn Ser
 145 150 155 160

Phe Lys Asn Asn Tyr Glu Lys Ala Leu Lys Gln Tyr Asn Ser Thr Gly
 165 170 175

Asp Tyr Arg Ser His Ala Val Asp Lys Ile Gln Asn Thr Leu His Cys

5521

180	185	190
Cys Gly Val Thr Asp Tyr Arg Asp Trp Thr Asp Thr Asn Tyr Tyr Ser		
195	200	205
Glu Lys Gly Phe Pro Lys Ser Cys Cys Lys Leu Glu Asp Cys Thr Pro		
210	215	220
Gln Arg Asp Ala Asp Lys Val Asn Asn Glu Gly Cys Phe Ile Lys Val		
225	230	235
Met Thr Ile Ile Glu Ser Glu Met Gly Val Val Ala Gly Ile Ser Phe		
245	250	255
Gly Val Ala Cys Phe Gln Leu Ile Gly Ile Phe Leu Ala Tyr Cys Leu		
260	265	270
Ser Arg Ala Ile Thr Asn Asn Gln Tyr Glu Ile Val		
275	280	

<210> 6296

<211> 368

<212> PRT

<213> Homo sapiens

<400> 6296

Lys Thr Leu Ser Gly Gly Gly Arg Arg Gln Lys Gly Trp Asp Val Ser		
1	5	10
Phe Lys Phe Pro Gly His Ser Leu Ile Val Leu Tyr Val Pro Ala Asp		
20	25	30
Cys Gln Cys Asp Leu Thr Leu Ser Ser His Pro Ser Ser Val Pro Ala		
35	40	45
Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Val Leu Ile Gly Ile		
50	55	60
Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser		
65	70	75
Met Tyr Val Val Ala Met Phe Gly Asn Cys Ile Val Val Phe Ile Val		
85	90	95
Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met		
100	105	110
Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile		
115	120	125

5522

Leu	Ala	Leu	Phe	Trp	Phe	Asp	Ser	Arg	Glu	Ile	Ser	Phe	Glu	Ala	Cys
130						135					140				
Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Ala	Leu	Ser	Ala	Ile	Glu	Ser	Thr
145					150					155					160
Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro
				165					170					175	
Leu	Arg	His	Ala	Ala	Val	Leu	Asn	Asn	Thr	Val	Thr	Ala	Gln	Ile	Gly
			180					185					190		
Ile	Val	Ala	Val	Val	Arg	Gly	Ser	Leu	Phe	Phe	Phe	Pro	Leu	Pro	Leu
	195						200					205			
Leu	Ile	Lys	Arg	Leu	Ala	Phe	Cys	His	Ser	Asn	Val	Leu	Ser	His	Ser
210						215					220				
Tyr	Cys	Val	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Tyr	Ala	Asp	Thr	Leu
225					230					235					240
Pro	Asn	Val	Val	Tyr	Gly	Leu	Thr	Ala	Ile	Leu	Leu	Val	Met	Gly	Val
				245					250					255	
Asp	Val	Met	Phe	Ile	Ser	Leu	Ser	Tyr	Phe	Leu	Ile	Ile	Arg	Thr	Val
			260					265					270		
Leu	Gln	Leu	Pro	Ser	Lys	Ser	Glu	Arg	Ala	Lys	Ala	Phe	Gly	Thr	Cys
	275						280					285			
Val	Ser	His	Ile	Gly	Val	Val	Leu	Ala	Phe	Tyr	Val	Pro	Leu	Ile	Gly
	290					295					300				
Leu	Ser	Val	Val	His	Arg	Phe	Gly	Asn	Ser	Leu	His	Pro	Ile	Val	Arg
305					310					315					320
Val	Val	Met	Gly	Asp	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Val	Ile	Asn	Pro
				325					330					335	
Ile	Ile	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Thr	Arg	Val	Leu	Ala
			340					345					350		
Met	Phe	Lys	Ile	Ser	Cys	Asp	Lys	Asp	Leu	Gln	Ala	Val	Gly	Gly	Lys
		355					360					365			

5523

<210> 6297

<211> 335

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6297

Thr	Ser	Ser	Ile	Ser	Tyr	Leu	Tyr	Asn	Lys	Leu	Pro	Arg	Arg	Arg	Ala
1				5					10					15	

Asp	Leu	Phe	Gly	Glu	Glu	Leu	Glu	Arg	Leu	Leu	Lys	Xaa	Lys	Tyr	Glu
			20					25					30		

Gly	His	Trp	Tyr	Pro	Glu	Lys	Pro	Leu	Lys	Gly	Ser	Gly	Phe	Arg	Cys
		35					40					45			

Val	His	Ile	Gly	Glu	Met	Val	Asp	Pro	Val	Val	Glu	Leu	Ala	Ala	Lys
	50					55					60				

Arg	Ser	Gly	Leu	Ala	Val	Glu	Asp	Val	Arg	Ala	Asn	Val	Pro	Glu	Glu
65					70					75					80

Leu	Ser	Val	Trp	Ile	Asp	Pro	Phe	Glu	Val	Ser	Tyr	Gln	Ile	Gly	Glu
				85					90					95	

Lys	Gly	Ala	Val	Lys	Val	Leu	Tyr	Leu	Asp	Asp	Ser	Glu	Gly	Cys	Gly
			100					105					110		

Ala	Pro	Glu	Leu	Asp	Lys	Glu	Ile	Lys	Ser	Ser	Phe	Asn	Pro	Asp	Ala
		115					120					125			

Gln	Val	Phe	Val	Pro	Ile	Gly	Ser	Gln	Asp	Ser	Ser	Leu	Ser	Asn	Ser
	130					135					140				

Pro	Ser	Pro	Ser	Phe	Gly	Gln	Ser	Pro	Ser	Pro	Thr	Phe	Ile	Pro	Arg
145					150					155				160	

Ser	Ala	Gln	Pro	Ile	Thr	Phe	Thr	Thr	Ala	Ser	Phe	Ala	Ala	Thr	Lys
				165					170					175	

Phe	Gly	Ser	Thr	Lys	Met	Lys	Lys	Gly	Gly	Gly	Ala	Ala	Ser	Gly	Gly
			180					185					190		

Gly	Val	Ala	Ser	Ser	Gly	Ala	Gly	Gly	Gln	Gln	Pro	Pro	Gln	Gln	Pro
		195					200					205			

Arg	Met	Ala	Arg	Ser	Pro	Thr	Asn	Ser	Leu	Leu	Lys	His	Lys	Ser	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5524

210	215	220
Ser Leu Ser Met His Ser Leu Asn Phe Ile Thr Ala Asn Pro Ala Pro		
225	230	235 240
Gln Ser Gln Leu Ser Pro Asn Ala Lys Glu Phe Val Tyr Asn Gly Gly		
	245	250 255
Gly Ser Pro Ser Leu Phe Phe Asp Ala Ala Asp Gly Gln Gly Ser Gly		
	260	265 270
Thr Pro Gly Pro Phe Gly Gly Ser Gly Ala Gly Thr Cys Asn Ser Ser		
	275	280 285
Ser Phe Asp Met Ala Gln Val Phe Gly Gly Gly Ala Asn Ser Leu Phe		
	290	295 300
Leu Glu Lys Thr Pro Phe Val Glu Gly Leu Ser Tyr Asn Leu Asn Thr		
305	310	315 320
Met Gln Tyr Pro Ser Gln Gln Phe Gln Pro Val Val Leu Ala Asn		
	325	330 335

<210> 6298

<211> 461

<212> PRT

<213> Homo sapiens

<400> 6298

Gln Ser Leu Asn Asn Tyr Leu Val Ile Pro Thr Ser Ala Pro Trp Cys		
1	5	10 15
Glu Gln Leu Leu Asn Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys		
	20	25 30
Leu Ser Leu Phe Thr Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn		
	35	40 45
Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn		
	50	55 60
Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu		
65	70	75 80
Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile		
	85	90 95
Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg		
	100	105 110

5525

Trp	Met	Asp	Gln	Arg	Leu	Val	Phe	Glu	Gly	Asn	Lys	Ser	Phe	Thr	Leu	115	120	125
Asp	Ala	Arg	Leu	Val	Glu	Phe	Leu	Trp	Val	Pro	Asp	Thr	Tyr	Ile	Val	130	135	140
Glu	Ser	Lys	Lys	Ser	Phe	Leu	His	Glu	Val	Thr	Val	Gly	Asn	Arg	Leu	145	150	155
Ile	Arg	Leu	Phe	Ser	Asn	Gly	Thr	Val	Leu	Tyr	Ala	Leu	Arg	Ile	Thr	165	170	175
Thr	Thr	Val	Ala	Cys	Asn	Met	Asp	Leu	Ser	Lys	Tyr	Pro	Met	Asp	Thr	180	185	190
Gln	Thr	Cys	Lys	Leu	Gln	Leu	Glu	Ser	Trp	Gly	Tyr	Asp	Gly	Asn	Asp	195	200	205
Val	Glu	Phe	Thr	Trp	Leu	Arg	Gly	Asn	Asp	Ser	Val	Arg	Gly	Leu	Glu	210	215	220
His	Leu	Arg	Leu	Ala	Gln	Tyr	Thr	Ile	Glu	Arg	Tyr	Phe	Thr	Leu	Val	225	230	235
Thr	Arg	Ser	Gln	Gln	Glu	Thr	Gly	Asn	Tyr	Thr	Arg	Leu	Val	Leu	Gln	245	250	255
Phe	Glu	Leu	Arg	Arg	Asn	Val	Leu	Tyr	Phe	Ile	Leu	Glu	Thr	Tyr	Val	260	265	270
Pro	Ser	Thr	Phe	Leu	Val	Val	Leu	Ser	Trp	Val	Ser	Phe	Trp	Ile	Ser	275	280	285
Leu	Asp	Ser	Val	Pro	Ala	Arg	Thr	Cys	Ile	Gly	Val	Thr	Thr	Val	Leu	290	295	300
Ser	Met	Thr	Thr	Leu	Met	Ile	Gly	Ser	Arg	Thr	Ser	Leu	Pro	Asn	Thr	305	310	315
Asn	Cys	Phe	Ile	Lys	Ala	Ile	Asp	Val	Tyr	Leu	Gly	Ile	Cys	Phe	Ser	325	330	335
Phe	Val	Phe	Gly	Ala	Leu	Leu	Glu	Tyr	Ala	Val	Ala	His	Tyr	Ser	Ser	340	345	350
Leu	Gln	Gln	Met	Ala	Ala	Lys	Asp	Arg	Gly	Thr	Thr	Lys	Glu	Val	Glu	355	360	365
Glu	Val	Ser	Ile	Thr	Asn	Ile	Ile	Asn	Ser	Ser	Ile	Ser	Ser	Phe	Lys	370	375	380

5526

Arg Lys Ile Ser Phe Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp
 385 390 395 400

Tyr Ser Asp Leu Thr Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe
 405 410 415

Arg Glu Lys Met Gly Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro
 420 425 430

Ser Asn Val Asp His Tyr Ser Lys Leu Leu Phe Pro Leu Ile Phe Met
 435 440 445

Leu Ala Asn Val Phe Tyr Trp Ala Tyr Tyr Met Tyr Phe
 450 455 460

<210> 6299

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (244)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6299

Ala Gly Trp Ser Pro Glu Ser Leu Ala Tyr Trp Pro Xaa Arg Ser Asp
 1 5 10 15

Thr Glu Val Pro Pro Leu Asp Leu Gly Trp Thr Asp Thr Gly Phe Tyr
 20 25 30

Arg Gly Val Ser Xaa Val Thr Leu Phe Thr His Pro Pro Lys Asp Glu

5527

35	40	45
Lys Ala Pro His Leu Lys Gln Xaa Val Arg Gln Met Ile Gln Gln Ala		
50	55	60
Gln Lys Val Ile Ala Val Val Met Asp Leu Phe Thr Asp Gly Asp Ile		
65	70	75 80
Phe Gln Asp Ile Val Asp Ala Ala Cys Lys Arg Arg Val Pro Val Tyr		
	85 90	95
Ile Ile Leu Asp Glu Ala Gly Val Lys Tyr Phe Leu Glu Met Cys Gln		
100	105	110
Asp Leu Gln Leu Thr Asp Phe Arg Ile Arg Asn Ile Arg Val Arg Ser		
115	120	125
Val Thr Gly Val Gly Phe Tyr Met Pro Met Gly Arg Ile Lys Gly Thr		
130	135	140
Leu Ser Ser Arg Phe Leu Met Val Asp Gly Asp Lys Val Ala Thr Gly		
145	150	155 160
Ser Tyr Arg Phe Thr Trp Ser Ser Ser His Val Asp Arg Asn Leu Leu		
	165 170	175
Leu Leu Leu Thr Gly Gln Asn Val Glu Pro Phe Asp Thr Glu Phe Arg		
180	185	190
Glu Leu Tyr Ala Ile Ser Glu Glu Val Asp Leu Tyr Arg Gln Leu Ser		
195	200	205
Leu Ala Gly Arg Val Gly Leu His Tyr Ser Ser Thr Val Ala Arg Lys		
210	215	220
Leu Ile Asn Pro Lys Tyr Ala Leu Val Ser Gly Cys Arg His Pro Pro		
225	230	235 240
Gly Glu Met Xaa Arg Trp Ala Ala Arg Gln Gln Arg Glu Ala Gly Gly		
	245 250	255
Asn Pro Glu Gly Gln Glu Glu Gly Ala Ser Gly Gly Glu Ser Ala Trp		
260	265	270
Arg Leu Glu Ser Phe Leu Lys Asp Leu Val Thr Val Glu Gln Val Leu		
275	280	285
Pro Pro Val Glu Pro Ile Pro Leu Gly Glu Leu Ser Gln Lys Asp Gly		
290	295	300
Arg Met Val Ser His Met His Arg Asp Leu Lys Pro Lys Ser Arg Glu		

[illegible]

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<210> 6300
<211> 775
<212> PRT
<213> Homo sapiens
<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids
<400> 6300
Gln Xaa Xaa Tyr Xaa Xaa Pro Gly Arg Pro Thr Arg Pro Gly Ser S
  1               5               10               15

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5529

Gly Ala Lys Met Ser Phe Val Ala Gly Val Ile Arg Arg Leu Asp Glu
 20 25 30

Thr Val Val Asn Arg Ile Ala Ala Gly Glu Val Ile Gln Arg Pro Ala
 35 40 45

Asn Ala Ile Lys Glu Met Ile Glu Asn Cys Leu Asp Ala Lys Ser Thr
 50 55 60

Ser Ile Gln Val Ile Val Lys Glu Gly Gly Leu Lys Leu Ile Gln Ile
 65 70 75 80

Gln Asp Asn Gly Thr Gly Ile Arg Lys Glu Asp Leu Asp Ile Val Cys
 85 90 95

Glu Arg Phe Thr Thr Ser Lys Leu Gln Ser Phe Glu Asp Leu Ala Ser
 100 105 110

Ile Ser Thr Tyr Gly Phe Arg Gly Glu Ala Leu Ala Ser Ile Ser His
 115 120 125

Val Ala His Val Thr Ile Thr Thr Lys Thr Ala Asp Gly Lys Cys Ala
 130 135 140

Tyr Arg Ala Ser Tyr Ser Asp Gly Lys Leu Lys Ala Pro Pro Lys Pro
 145 150 155 160

Cys Ala Gly Asn Gln Gly Thr Gln Ile Thr Val Glu Asp Leu Phe Tyr
 165 170 175

Asn Ile Ala Thr Arg Arg Lys Ala Leu Lys Asn Pro Ser Glu Glu Tyr
 180 185 190

Gly Lys Ile Leu Glu Val Val Gly Arg Tyr Ser Val His Asn Ala Gly
 195 200 205

Ile Ser Phe Ser Val Lys Lys Gln Gly Glu Thr Val Ala Asp Val Arg
 210 215 220

Thr Leu Pro Asn Ala Ser Thr Val Asp Asn Ile Arg Ser Ile Phe Gly
 225 230 235 240

Asn Ala Val Ser Arg Glu Leu Ile Glu Ile Gly Cys Glu Asp Lys Thr
 245 250 255

Leu Ala Phe Lys Met Asn Gly Tyr Ile Ser Asn Ala Asn Tyr Ser Val
 260 265 270

Lys Lys Cys Ile Phe Leu Leu Phe Ile Asn His Arg Leu Val Glu Ser
 275 280 285

5530

Thr Ser Leu Arg Lys Ala Ile Glu Thr Val Tyr Ala Ala Tyr Leu Pro
 290 295 300
 Lys Asn Thr His Pro Phe Leu Tyr Leu Ser Leu Glu Ile Ser Pro Gln
 305 310 315 320
 Asn Val Asp Val Asn Val His Pro Thr Lys His Glu Val His Phe Leu
 325 330 335
 His Glu Glu Ser Ile Leu Glu Arg Val Gln Gln His Ile Glu Ser Lys
 340 345 350
 Leu Leu Gly Ser Asn Ser Ser Arg Met Tyr Phe Thr Gln Thr Leu Leu
 355 360 365
 Pro Gly Leu Ala Gly Pro Ser Gly Glu Met Val Lys Ser Thr Thr Ser
 370 375 380
 Leu Thr Ser Ser Ser Thr Ser Gly Ser Ser Asp Lys Val Tyr Ala His
 385 390 395 400
 Gln Met Val Arg Thr Asp Ser Arg Glu Gln Lys Leu Asp Ala Phe Leu
 405 410 415
 Gln Pro Leu Ser Lys Pro Leu Ser Ser Gln Pro Gln Ala Ile Val Thr
 420 425 430
 Glu Asp Lys Thr Asp Ile Ser Ser Gly Arg Ala Arg Gln Gln Asp Glu
 435 440 445
 Glu Met Leu Glu Leu Pro Ala Pro Ala Glu Val Ala Ala Lys Asn Gln
 450 455 460
 Ser Leu Glu Gly Asp Thr Thr Lys Gly Thr Ser Glu Met Ser Glu Lys
 465 470 475 480
 Arg Gly Pro Thr Ser Ser Asn Pro Arg Lys Arg His Arg Glu Asp Ser
 485 490 495
 Asp Val Glu Met Val Glu Asp Asp Ser Arg Lys Glu Met Thr Ala Ala
 500 505 510
 Cys Thr Pro Arg Arg Arg Ile Ile Asn Leu Thr Ser Val Leu Ser Leu
 515 520 525
 Gln Glu Glu Ile Asn Glu Gln Gly His Glu Val Leu Arg Glu Met Leu
 530 535 540
 His Asn His Ser Phe Val Gly Cys Val Asn Pro Gln Trp Ala Leu Ala
 545 550 555 560

5531

Gln His Gln Thr Lys Leu Tyr Leu Leu Asn Thr Thr Lys Leu Ser Glu
565 570 575

Glu Leu Phe Tyr Gln Ile Leu Ile Tyr Asp Phe Ala Asn Phe Gly Val
580 585 590

Leu Arg Leu Ser Glu Pro Ala Pro Leu Phe Asp Leu Ala Met Leu Ala
595 600 605

Leu Asp Ser Pro Glu Ser Gly Trp Thr Glu Glu Asp Gly Pro Lys Glu
610 615 620

Gly Leu Ala Glu Tyr Ile Val Glu Phe Leu Lys Lys Lys Ala Glu Met
625 630 635 640

Leu Ala Asp Tyr Phe Ser Leu Glu Ile Asp Glu Glu Gly Asn Leu Ile
645 650 655

Gly Leu Pro Leu Leu Ile Asp Asn Tyr Val Pro Pro Leu Glu Gly Leu
660 665 670

Pro Ile Phe Ile Leu Arg Leu Ala Thr Glu Val Asn Trp Asp Glu Glu
675 680 685

Lys Glu Cys Phe Glu Ser Leu Ser Lys Glu Cys Ala Met Phe Tyr Ser
690 695 700

Ile Arg Lys Gln Tyr Ile Ser Glu Glu Ser Thr Leu Ser Gly Gln Gln
705 710 715 720

Ser Glu Val Pro Gly Ser Ile Pro Asn Ser Trp Lys Trp Thr Val Glu
725 730 735

His Ile Val Tyr Lys Ala Leu Arg Ser His Ile Leu Pro Pro Lys His
740 745 750

Phe Thr Glu Asp Gly Asn Ile Leu Gln Leu Ala Asn Leu Pro Asp Leu
755 760 765

Tyr Lys Val Phe Glu Arg Cys
770 775

<210> 6301

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5532

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6301

Ala	Gln	Leu	Val	Phe	Pro	Ser	Ser	Cys	Leu	Ala	Phe	Xaa	Ser	Pro	Leu
1				5					10					15	

Ser	Val	Phe	Lys	Arg	Phe	Lys	Glu	Thr	Thr	Arg	Pro	Phe	Ser	Asn	Glu
			20				25						30		

Cys	Leu	Gly	Thr	Thr	Arg	Pro	Val	Val	Pro	Ile	Asp	Ser	Ser	Asp	Phe
		35					40					45			

Ala	Leu	Asp	Ile	Arg	Met	Pro	Gly	Val	Thr	Pro	Lys	Gln	Ser	Asp	Thr
	50					55					60				

Tyr	Phe	Cys	Met	Ser	Met	Arg	Ile	Pro	Val	Asp	Glu	Glu	Ala	Phe	Val
65					70					75					80

Ile	Asp	Phe	Lys	Pro	Arg	Ala	Ser	Met	Asp	Thr	Val	His	His	Met	Leu
				85					90					95	

Leu	Phe	Gly	Cys	Asn	Met	Pro	Ser	Ser	Thr	Gly	Xaa	Tyr	Trp	Phe	Cys
			100					105					110		

Asp	Glu	Gly	Thr	Cys	Thr	Asp	Lys	Ala	Asn	Asp	Ser	Val	Cys	Leu	Gly
		115					120					125			

Glu	Lys	Cys	Phe	Pro	Leu	Pro	Gly	Leu	Pro	Lys	Xaa	Cys	Trp	Asp	Ser
	130					135					140				

Glu	Leu	Gly	Gly	Xaa	Asp	Trp	Glu	Val	Asn	Thr	Trp	Tyr	Tyr	Arg	
145					150					155					

5533

<210> 6302

<211> 211

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6302

Asp	Ser	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile
1				5					10					15	

Pro	Gly	Ser	Thr	His	Ala	Ser	Gly	Lys	Gly	Phe	Tyr	Ser	Tyr	Gln	Ser
			20					25					30		

Leu	His	Glu	Trp	Phe	Arg	Asp	Thr	Asp	Ala	Glu	Phe	Val	Asp	Ile	Asp
		35					40					45			

Gly	Lys	Ser	His	Leu	Ile	Leu	Xaa	Xaa	Arg	Ser	Xaa	Val	Pro	Ile	Ile
	50					55					60				

Leu	Gln	Trp	Asn	Lys	Ser	Ser	Lys	Lys	Phe	Val	Pro	His	Gly	Asp	Ile
65					70					75					80

Pro	Asn	Met	Glu	Asp	Val	Leu	Ala	Val	Lys	Ser	Phe	Arg	Met	Gln	Asn
				85					90					95	

Thr	Leu	Tyr	Leu	Ser	Leu	Thr	Arg	Phe	Ile	Gly	Asp	Ser	Arg	Val	Met
			100					105					110		

Arg	Trp	Asn	Ser	Lys	Gln	Phe	Val	Glu	Ile	Gln	Ala	Leu	Pro	Ser	Arg
		115					120					125			

Gly	Ala	Met	Thr	Leu	Gln	Pro	Phe	Ser	Phe	Lys	Asp	Asn	His	Tyr	Leu
	130					135					140				

Ala	Leu	Gly	Ser	Asp	Tyr	Thr	Phe	Ser	Gln	Ile	Tyr	Gln	Trp	Asp	Lys
145					150					155					160

5534

[illegible]

<210> 6303

<211> 704

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6303

Arg	His	Pro	Ala	Ala	His	Pro	Ala	Gly	Pro	Gly	Glu	Ala	Leu	Ala	Ala
1				5					10					15	
Val	Leu	Lys	Glu	Val	Cys	Asp	Ala	Trp	Ser	Leu	Thr	His	Ser	Glu	Arg
			20					25					30		
Tyr	Ala	Leu	Gln	Phe	Ala	Asp	Gly	His	Arg	Arg	Tyr	Ile	Thr	Glu	Asn
		35					40					45			
Asn	Arg	Ala	Glu	Ile	Lys	Asn	Gly	Ser	Ile	Leu	Cys	Leu	Ser	Thr	Ala
	50					55					60				
Pro	Asp	Leu	Glu	Ala	Glu	Gln	Leu	Leu	Gly	Gly	Leu	Gln	Ser	Asn	Ser
65					70					75					80
Pro	Glu	Gly	Arg	Arg	Glu	Ala	Leu	Xaa	Arg	Leu	Val	Pro	Leu	Ala	Ser
				85					90					95	
Asp	Met	Ile	Phe	Ala	Arg	Glu	Val	Ile	Ser	Arg	Asn	Gly	Leu	Gln	Ile
			100					105					110		

5535

Leu	Gly	Thr	Ile	Ile	Glu	Asp	Gly	Asp	Xaa	Leu	Gly	Glu	Val	Leu	Ala	115	120	125
Leu	Ser	Leu	Arg	Ala	Phe	Ser	Glu	Leu	Met	Glu	His	Gly	Val	Val	Ser	130	135	140
Trp	Glu	Thr	Leu	Ser	Ile	Pro	Phe	Val	Arg	Lys	Val	Val	Cys	Tyr	Val	145	150	155
Asn	Met	Asn	Leu	Met	Asp	Ala	Ser	Val	Pro	Pro	Leu	Ala	Leu	Gly	Leu	165	170	175
Leu	Glu	Ser	Val	Thr	Leu	Ser	Ser	Pro	Ala	Leu	Gly	Gln	Leu	Val	Lys	180	185	190
Ser	Glu	Val	Pro	Leu	Asp	Arg	Leu	Leu	Val	His	Leu	Gln	Val	Met	Asn	195	200	205
Gln	Gln	Leu	Gln	Thr	Lys	Ala	Met	Ala	Leu	Leu	Thr	Ala	Leu	Leu	Gln	210	215	220
Gly	Ala	Ser	Pro	Val	Glu	Arg	Lys	His	Met	Leu	Asp	Tyr	Leu	Trp	Gln	225	230	235
Arg	Asn	Leu	Arg	Gln	Phe	Ile	Tyr	Lys	Asn	Ile	Ile	His	Ser	Ala	Ala	245	250	255
Pro	Met	Gly	Asp	Glu	Met	Ala	His	His	Leu	Tyr	Val	Leu	Gln	Ala	Leu	260	265	270
Met	Leu	Gly	Leu	Leu	Glu	Pro	Arg	Met	Arg	Thr	Pro	Leu	Asp	Pro	Tyr	275	280	285
Ser	Gln	Glu	Gln	Arg	Glu	Gln	Leu	Gln	Val	Leu	Arg	Gln	Ala	Ala	Phe	290	295	300
Glu	Val	Glu	Gly	Glu	Ser	Ser	Gly	Ala	Gly	Leu	Ser	Ala	Asp	Arg	Arg	305	310	315
Arg	Ser	Leu	Cys	Ala	Arg	Glu	Phe	Arg	Lys	Leu	Gly	Phe	Ser	Asn	Ser	325	330	335
Asn	Pro	Ala	Gln	Asp	Leu	Glu	Arg	Val	Pro	Pro	Gly	Leu	Leu	Ala	Leu	340	345	350
Asp	Asn	Met	Leu	Tyr	Phe	Ser	Arg	Asn	Ala	Pro	Ser	Ala	Tyr	Ser	Arg	355	360	365
Phe	Val	Leu	Glu	Asn	Ser	Ser	Arg	Glu	Asp	Lys	His	Glu	Cys	Pro	Phe	370	375	380

5536

Ala	Arg	Gly	Ser	Ile	Gln	Leu	Thr	Val	Leu	Leu	Cys	Glu	Leu	Leu	Arg
385					390				395						400
Val	Gly	Glu	Pro	Cys	Ser	Glu	Thr	Ala	Gln	Asp	Phe	Ser	Pro	Met	Phe
				405					410					415	
Phe	Gly	Gln	Asp	Gln	Ser	Phe	His	Glu	Leu	Phe	Cys	Val	Gly	Ile	Gln
			420					425					430		
Leu	Leu	Asn	Lys	Thr	Trp	Lys	Glu	Met	Arg	Ala	Thr	Gln	Glu	Asp	Phe
		435					440					445			
Asp	Lys	Val	Met	Gln	Val	Val	Arg	Glu	Gln	Leu	Ala	Arg	Thr	Leu	Ala
	450						455				460				
Leu	Lys	Pro	Thr	Ser	Leu	Glu	Leu	Phe	Arg	Thr	Lys	Val	Asn	Ala	Leu
465					470				475						480
Thr	Tyr	Gly	Glu	Val	Leu	Arg	Leu	Arg	Gln	Thr	Glu	Arg	Leu	His	Gln
				485					490					495	
Glu	Gly	Thr	Leu	Ala	Pro	Pro	Ile	Leu	Glu	Leu	Arg	Glu	Lys	Leu	Lys
			500					505					510		
Pro	Glu	Leu	Met	Gly	Leu	Ile	Arg	Gln	Gln	Arg	Leu	Leu	Arg	Leu	Cys
		515					520					525			
Glu	Gly	Thr	Leu	Phe	Arg	Lys	Ile	Ser	Ser	Arg	Arg	Arg	Gln	Asp	Lys
	530					535				540					
Leu	Trp	Phe	Cys	Cys	Leu	Ser	Pro	Asn	His	Lys	Leu	Leu	Gln	Tyr	Gly
545					550					555					560
Asp	Met	Glu	Glu	Gly	Ala	Ser	Pro	Pro	Thr	Leu	Glu	Ser	Leu	Pro	Glu
				565					570					575	
Gln	Leu	Pro	Val	Ala	Asp	Met	Arg	Ala	Leu	Leu	Thr	Gly	Lys	Asp	Cys
			580					585					590		
Pro	His	Val	Arg	Glu	Lys	Gly	Ser	Gly	Lys	Gln	Asn	Lys	Asp	Leu	Tyr
		595					600					605			
Glu	Leu	Ala	Phe	Ser	Ile	Ser	Tyr	Asp	Arg	Gly	Glu	Glu	Glu	Ala	Tyr
	610					615					620				
Leu	Asn	Phe	Ile	Ala	Pro	Ser	Lys	Arg	Glu	Phe	Tyr	Leu	Trp	Thr	Asp
625					630					635					640
Gly	Leu	Ser	Ala	Leu	Leu	Gly	Ser	Pro	Met	Gly	Ser	Glu	Gln	Thr	Arg
				645					650					655	

5537

Leu Asp Leu Glu Gln Leu Leu Thr Met Glu Thr Lys Leu Arg Leu Leu
 660 665 670
 Glu Leu Glu Asn Val Pro Ile Pro Glu Arg Pro Pro Pro Val Pro Pro
 675 680 685
 Pro Pro Thr Asn Phe Asn Phe Cys Tyr Asp Cys Ser Ile Ala Glu Pro
 690 695 700

<210> 6304

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6304

Leu Pro Leu Leu Gln Xaa Glu Met Cys Ile Arg Asp Ser Tyr Arg Arg
 1 5 10 15
 Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
 20 25 30
 Ala His Ala Ser Ala Asp Ala Trp Ala Val Thr Glu Ile Ile Phe Pro
 35 40 45
 Tyr Glu Gln Thr Leu Cys Val Arg Pro Val Ser His Met Ser Arg Ala
 50 55 60
 Cys Val Gln Val Cys Phe Trp His Val Pro His
 65 70 75

<210> 6305

<211> 238

<212> PRT

<213> Homo sapiens

<400> 6305

Glu Ile Ser His Asn Leu Gly Val Cys Tyr Ile Tyr Leu Lys Gln Phe
 1 5 10 15

5538

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Asn Lys Ala Gln Asp Gln Leu His Asn Ala Leu Asn Leu Asn Arg His
      20                      25                      30

Asp Leu Thr Tyr Ile Met Leu Gly Lys Ile His Leu Leu Glu Gly Asp
      35                      40                      45

Leu Asp Lys Ala Ile Glu Val Tyr Lys Lys Ala Val Glu Phe Ser Pro
      50                      55                      60

Glu Asn Thr Glu Leu Leu Thr Thr Leu Gly Leu Leu Tyr Leu Gln Leu
      65                      70                      75                      80

Gly Ile Tyr Gln Lys Ala Phe Glu His Leu Gly Asn Ala Leu Thr Tyr
      85                      90                      95

Asp Pro Thr Asn Tyr Lys Ala Ile Leu Ala Ala Gly Ser Met Met Gln
      100                      105                      110

Thr His Gly Asp Phe Asp Val Ala Leu Thr Lys Tyr Arg Val Val Ala
      115                      120                      125

Cys Ala Val Pro Glu Ser Pro Pro Leu Trp Asn Asn Ile Gly Met Cys
      130                      135                      140

Phe Phe Gly Lys Lys Lys Tyr Val Ala Ala Ile Ser Cys Leu Lys Arg
      145                      150                      155                      160

Ala Asn Tyr Leu Ala Pro Phe Asp Trp Lys Ile Leu Tyr Asn Leu Gly
      165                      170                      175

Leu Val His Leu Thr Met Gln Gln Tyr Ala Ser Ala Phe His Phe Leu
      180                      185                      190

Ser Ala Ala Ile Asn Phe Gln Pro Lys Met Gly Glu Leu Tyr Met Leu
      195                      200                      205

Leu Ala Val Ala Leu Thr Asn Leu Glu Asp Thr Glu Asn Ala Lys Arg
      210                      215                      220

Ala Tyr Ala Glu Ala Val His Leu Asp Lys Tyr Ala Leu Cys
      225                      230                      235

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<210> 6306

<211> 345

<212> PRT

<213> Homo sapiens

<400> 6306

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr

5539

1	5	10	15
Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Asn Asp Ala Ala	20	25	30
Ser Met Glu Ser Leu Tyr Asp Leu Trp Glu Phe Tyr Leu Pro Tyr Leu	35	40	45
Tyr Ser Cys Ile Ser Leu Met Gly Cys Leu Leu Leu Leu Leu Cys Thr	50	55	60
Pro Val Gly Leu Ser Arg Met Phe Thr Val Met Gly His Leu Leu Val	65	70	75
Lys Pro Thr Ile Leu Glu Asp Leu Asp Glu Gln Ile Tyr Ile Ile Thr	85	90	95
Leu Glu Glu Glu Ala Leu Gln Arg Arg Leu Asn Gly Leu Ser Ser Ser	100	105	110
Val Glu Tyr Asn Ile Met Glu Leu Glu Gln Glu Leu Glu Asn Val Lys	115	120	125
Thr Leu Lys Thr Lys Leu Glu Arg Arg Lys Lys Ala Ser Ala Trp Glu	130	135	140
Arg Asn Leu Val Tyr Pro Ala Val Met Val Leu Leu Leu Ile Glu Thr	145	150	155
Ser Ile Ser Val Leu Leu Val Ala Cys Asn Ile Leu Cys Leu Leu Val	165	170	175
Asp Glu Thr Ala Met Pro Lys Gly Thr Arg Gly Pro Gly Ile Gly Asn	180	185	190
Ala Ser Leu Ser Thr Phe Gly Phe Val Gly Ala Ala Leu Glu Ile Ile	195	200	205
Leu Ile Phe Tyr Leu Met Val Ser Ser Val Val Gly Phe Tyr Ser Leu	210	215	220
Arg Phe Phe Gly Asn Phe Thr Pro Lys Lys Asp Asp Thr Thr Met Thr	225	230	235
Lys Ile Ile Gly Asn Cys Val Ser Ile Leu Val Leu Ser Ser Ala Leu	245	250	255
Pro Val Met Ser Arg Thr Leu Gly Ile Thr Arg Phe Asp Leu Leu Gly	260	265	270
Asp Phe Gly Arg Phe Asn Trp Leu Gly Asn Phe Tyr Ile Val Leu Ser			

5540

275 280 285
 Tyr Asn Leu Leu Phe Ala Ile Val Thr Thr Leu Cys Leu Val Arg Lys
 290 295 300
 Phe Thr Ser Ala Val Arg Glu Glu Leu Phe Lys Ala Leu Gly Leu His
 305 310 315 320
 Lys Leu His Leu Pro Asn Thr Ser Arg Asp Ser Glu Thr Ala Lys Pro
 325 330 335
 Ser Val Asn Gly His Gln Lys Ala Leu
 340 345

<210> 6307

<211> 404

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (346)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (401)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6307

Xaa Val Arg Val Gln Thr Arg Gly Ser Ala Asp Pro Ala Gln Leu Arg
 1 5 10 15

Arg His Pro Gly Tyr Lys Arg Thr Ala Ser Ala Thr Leu Ser Asp Pro
 20 25 30

Ala Ala Ala Ala Met Gln Pro Ser Ser Leu Leu Pro Leu Ala Leu Cys
 35 40 45

Leu Leu Ala Ala Pro Ala Ser Ala Leu Val Arg Ile Pro Leu His Lys
 50 55 60

Phe Thr Ser Ile Arg Arg Thr Met Ser Glu Val Gly Gly Ser Val Glu
 65 70 75 80

5541

Asp	Leu	Ile	Ala	Lys	Gly	Pro	Val	Ser	Lys	Tyr	Ser	Gln	Ala	Val	Pro	85	90	95	
Ala	Val	Thr	Glu	Gly	Pro	Ile	Pro	Glu	Val	Leu	Lys	Asn	Tyr	Met	Asp	100	105	110	
Ala	Gln	Tyr	Tyr	Gly	Glu	Ile	Gly	Ile	Gly	Thr	Pro	Pro	Gln	Cys	Phe	115	120	125	
Thr	Val	Val	Phe	Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Ile	130	135	140	
His	Cys	Lys	Leu	Leu	Asp	Ile	Ala	Cys	Trp	Ile	His	His	Lys	Tyr	Asn	145	150	155	160
Ser	Asp	Lys	Ser	Ser	Thr	Tyr	Val	Lys	Asn	Gly	Thr	Ser	Phe	Asp	Ile	165	170	175	
His	Tyr	Gly	Ser	Gly	Ser	Leu	Ser	Gly	Tyr	Leu	Ser	Gln	Asp	Thr	Val	180	185	190	
Ser	Val	Pro	Cys	Gln	Ser	Ala	Ser	Ser	Ala	Ser	Ala	Leu	Gly	Gly	Val	195	200	205	
Lys	Val	Glu	Arg	Gln	Val	Phe	Gly	Glu	Ala	Thr	Lys	Gln	Pro	Gly	Ile	210	215	220	
Thr	Phe	Ile	Ala	Ala	Lys	Phe	Asp	Gly	Ile	Leu	Gly	Met	Ala	Tyr	Pro	225	230	235	240
Arg	Ile	Ser	Val	Asn	Asn	Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	245	250	255	
Gln	Lys	Leu	Val	Asp	Gln	Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Ser	Arg	Asp	260	265	270	
Pro	Asp	Ala	Gln	Pro	Gly	Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	275	280	285	
Lys	Tyr	Tyr	Lys	Gly	Ser	Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	290	295	300	
Tyr	Trp	Gln	Val	His	Leu	Asp	Gln	Val	Glu	Val	Ala	Ser	Gly	Leu	Thr	305	310	315	320
Leu	Cys	Lys	Glu	Gly	Cys	Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	325	330	335	
Met	Val	Gly	Pro	Val	Asp	Glu	Val	Arg	Xaa	Leu	Gln	Lys	Ala	Ile	Gly	340	345	350	

5542

Ala Val Pro Leu Ile Gln Gly Glu Tyr Met Ile Pro Cys Glu Lys Val
 355 360 365

Ser Thr Leu Pro Ala Ile Thr Leu Lys Leu Gly Gly Lys Gly Tyr Lys
 370 375 380

Leu Ser Pro Glu Asp Tyr Thr Leu Lys Val Ser Gln Ala Gly Lys Thr
 385 390 395 400

Xaa Cys Leu Ser

<210> 6308

<211> 40

<212> PRT

<213> Homo sapiens

<400> 6308

Asn Pro Val Ser Thr Lys Ile Gln Lys Ile Ser Trp Ala Trp Trp Arg
 1 5 10 15

Thr Pro Val Val Pro Ala Thr Leu Glu Ala Glu Ala Gly Glu Ser Leu
 20 25 30

Lys Pro Arg Arg Arg Arg Leu Gln
 35 40

<210> 6309

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

5543

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6309

Thr	Ala	His	Ser	Gly	Cys	Cys	Ile	Glu	Lys	Arg	Met	Trp	Trp	Thr	Asp
1				5					10					15	

Ile	Glu	Ala	Trp	Lys	Pro	Asp	Arg	Xaa	Ile	Ala	Ile	Thr	Gln	Lys	Arg
			20					25					30		

Gly	Asp	Gly	Ser	Leu	Asp	Leu	Leu	Glu	Ala	Val	Xaa	Cys	Pro	Thr	Leu
		35					40					45			

Gln	Leu	Xaa	Xaa	Xaa	Glu	Lys	Gly	Pro	Glu	Arg	Leu	Ile	Leu	Ile	Thr
	50					55					60				

Asn	Gly	Pro	Met	Met
	65			

<210> 6310

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6310

Arg	Val	Asp	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Gly
1				5				10					15		

Ala	Arg	Arg	Arg	Ser	Ser	Gly	Ser	Gly	Ser	Met	Ser	Ala	Gly	Gly	Ala
			20					25					30		

Ser	Val	Pro	Pro	Pro	Pro	Asn	Pro	Ala	Val	Ser	Phe	Pro	Pro	Pro	Arg
		35					40				45				

Val	Thr	Leu	Pro	Ala	Gly	Pro	Asp	Ile	Leu	Arg	Thr	Tyr	Ser	Gly	Ala
	50						55				60				

5544

Phe	Val	Cys	Leu	Glu	Ile	Leu	Phe	Gly	Gly	Leu	Val	Trp	Ile	Leu	Val	65	70	75	80
Ala	Ser	Ser	Asn	Val	Pro	Leu	Pro	Leu	Leu	Gln	Gly	Trp	Val	Met	Phe	85	90	95	
Val	Ser	Val	Thr	Ala	Phe	Phe	Phe	Ser	Leu	Leu	Phe	Leu	Gly	Met	Phe	100	105	110	
Leu	Ser	Gly	Met	Val	Ala	Gln	Ile	Asp	Ala	Asn	Trp	Asn	Phe	Leu	Asp	115	120	125	
Phe	Ala	Tyr	His	Phe	Thr	Val	Phe	Val	Phe	Tyr	Phe	Gly	Ala	Phe	Leu	130	135	140	
Leu	Glu	Ala	Ala	Ala	Thr	Ser	Leu	His	Asp	Leu	His	Cys	Asn	Thr	Thr	145	150	155	160
Ile	Thr	Gly	Gln	Pro	Leu	Leu	Ser	Asp	Asn	Gln	Tyr	Asn	Ile	Asn	Val	165	170	175	
Ala	Xaa	Ser	Ile	Phe	Ala	Phe	Met	Thr	Thr	Ala	Cys	Tyr	Gly	Cys	Lys	180	185	190	
Phe	Gly	Ser	Gly	Phe	Thr	Lys	Met	Ala	Thr	Arg	Asn	Thr	Ser	195	200	205			

<210> 6311

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6311

5545

Ala Phe Pro Trp Asp Leu Trp Pro Ser Trp Arg Gln Glu Pro Ser Ser
 1 5 10 15
 Pro Ser Thr Asp Trp Val Leu Leu Ala Leu Ala Leu Val Asn Leu Leu
 20 25 30
 Leu Ser Leu Pro Ala Pro Trp Ala Xaa Phe Leu Leu Cys His Ser Leu
 35 40 45
 Gly Pro Thr Val Xaa Arg Gly Leu Leu Xaa Thr Gly Thr
 50 55 60

<210> 6312

<211> 169

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6312

Pro Ser Leu Ala Val Ala Lys Ile Ile Ile Ile Glu Phe Asn Pro Met
 1 5 10 15
 Tyr Pro Lys Xaa Asn Asp Ile Ala Leu Met Lys Leu Gln Phe Pro Leu
 20 25 30
 Thr Phe Ser Gly Thr Val Arg Pro Ile Cys Leu Pro Phe Phe Asp Glu
 35 40 45
 Glu Leu Thr Pro Ala Thr Pro Leu Trp Ile Ile Gly Trp Gly Phe Thr
 50 55 60
 Lys Gln Asn Gly Gly Lys Met Ser Asp Ile Leu Leu Gln Ala Ser Val
 65 70 75 80
 Gln Val Ile Asp Ser Thr Arg Cys Asn Ala Asp Asp Ala Tyr Gln Gly
 85 90 95
 Glu Val Thr Glu Lys Met Met Cys Ala Gly Ile Pro Glu Gly Gly Val
 100 105 110
 Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Tyr Gln Ser Asp
 115 120 125
 Gln Trp His Val Val Gly Ile Val Ser Trp Gly Tyr Gly Cys Gly Gly
 130 135 140

5546

Pro Ser Thr Pro Gly Val Tyr Thr Lys Val Ser Ala Tyr Leu Asn Trp
 145 150 155 160

Ile Tyr Asn Val Trp Lys Ala Glu Leu
 165

<210> 6313

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6313

Arg Phe Ile Leu Lys Ser Val His Ile Gln His Lys Glu Arg Lys Asn
 1 5 10 15

Leu Thr Asn Leu Lys Ser Ala Val Ile Leu Ala His Val Asn Thr Ile
 20 25 30

Leu Ile Ser Trp Phe Ile Tyr Phe Leu Met Phe Val Ser Ile Tyr Ile
 35 40 45

Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile
 50 55 60

Tyr Ile Tyr Ile Tyr Ile Xaa Ile Pro Ser Ser Lys Trp Pro Val Ile
 65 70 75 80

Ala Cys Lys His Phe Phe
 85

<210> 6314

<211> 106

<212> PRT

<213> Homo sapiens

<400> 6314

Gly Gly Tyr Ser Val Asp Ser Pro Thr Leu Thr Arg Phe Phe Thr Phe
 1 5 10 15

His Phe Ile Leu Pro Phe Ile Ile Ala Ala Leu Ala Ala Leu His Leu
 20 25 30

5547

Leu Phe Leu His Glu Thr Gly Ser Asn Asn Pro Leu Gly Ile Thr Ser
 35 40 45
 His Ser Asp Lys Ile Thr Phe His Pro Tyr Tyr Thr Ile Lys Asp Ala
 50 55 60
 Leu Gly Leu Leu Leu Phe Leu Leu Ser Leu Met Thr Leu Thr Leu Phe
 65 70 75 80
 Ser Pro Asp Leu Leu Gly Asp Pro Asp Asn Tyr Thr Leu Ala Asn Pro
 85 90 95
 Leu Asn Thr Pro Pro His Ile Lys Pro Glu
 100 105

<210> 6315

<211> 101

<212> PRT

<213> Homo sapiens

<400> 6315

Asp Tyr Ala Arg Pro Lys Tyr Tyr Phe Gln Ile Glu Pro Ser Ser Trp
 1 5 10 15
 Val Ala Val Tyr Asn Thr Gln Val Glu Phe Gly Lys Cys Ser Pro Ser
 20 25 30
 Leu Pro Phe Phe Thr Val Asp Ala Ser Ala Ser Phe Leu Ser Leu His
 35 40 45
 Thr His Cys Pro Thr Ala Gly Phe Pro Phe Ser Phe Arg Ala Val Ala
 50 55 60
 Val Pro Phe Leu His Ser His Pro Ser Gln Trp Gln Pro Pro Leu Pro
 65 70 75 80
 Ser Cys Ile Leu Asn Pro Thr Leu Ile Ile Cys Leu Asp Phe Ala Phe
 85 90 95
 Leu Pro Ala Val Leu
 100

<210> 6316

<211> 132

<212> PRT

<213> Homo sapiens

5548

<400> 6316

Gln Arg His Ala Gly Glu Thr Gly Ala Ala Thr Ala Arg Arg Glu Ser
 1 5 10 15
 Leu Pro Gln Ala Asn Asn Pro Glu Gln Leu Cys Lys Gln Arg Cys Ile
 20 25 30
 Asn Glu Ala Ser Trp Thr Met Lys Arg Val Leu Ser Cys Val Pro Glu
 35 40 45
 Pro Thr Val Val Met Ala Ala Arg Ala Leu Cys Met Leu Gly Leu Val
 50 55 60
 Leu Ala Leu Leu Ser Ser Ser Ser Ala Glu Glu Tyr Val Gly Leu Ser
 65 70 75 80
 Ala Asn Gln Cys Ala Val Pro Ala Lys Asp Arg Val Asp Cys Gly Tyr
 85 90 95
 Pro His Val Thr Pro Lys Glu Cys Asn Asn Arg Gly Cys Cys Phe Asp
 100 105 110
 Ser Arg Ile Pro Gly Val Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala
 115 120 125
 Glu Cys Thr Phe
 130

<210> 6317

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6317

Leu Xaa Arg Leu Gln Xaa Pro Val Arg Asn Ser Arg Val Asp Pro Arg
 1 5 10 15
 Val Gly Val Pro Glu Pro Thr Val Val Met Ala Ala Arg Ala Leu Cys

5549

20 25 30
 Met Leu Gly Leu Val Leu Ala Leu Leu Ser Ser Ser Ser Ala Glu Glu
 35 40 45
 Tyr Val Gly Leu Ser Ala Asn Gln Cys Ala Val Pro Ala Lys Asp Arg
 50 55 60
 Val Asp Cys Gly Tyr Pro His Val Thr Pro Lys Glu Cys Asn Asn Arg
 65 70 75 80
 Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly Val Pro Trp Cys Phe Lys
 85 90 95
 Pro Leu Gln Glu Ala Glu Cys Thr Phe
 100 105

<210> 6318

<211> 69

<212> PRT

<213> Homo sapiens

<400> 6318

Leu Leu Leu Leu Leu Cys Lys Gly Thr Tyr Ile Pro Gln Tyr Thr Pro
 1 5 10 15
 Val Pro Pro Thr Ala Val Ser Ile Glu Gly Val Val Ala Asp Thr Ser
 20 25 30
 Pro Gln Thr Val Ala Pro Ser Ser Gln Asp Thr Ser Gly Gln Gln Gln
 35 40 45
 Gln Ile Ala Val Asp Thr Ser Asn Glu His Ala Pro Ala Tyr Ser Tyr
 50 55 60
 Gln Gln Ser Lys Pro
 65

<210> 6319

<211> 96

<212> PRT

<213> Homo sapiens

<400> 6319

Thr Phe Lys Phe Ala Asn Gln Phe Leu Ala Arg Lys His Phe Cys Tyr
 1 5 10 15

5550

Thr Asn Ile Leu Leu Ser Leu Pro Lys Ala Pro Pro Met His Ser Phe
 20 25 30
 Asn Lys Ile Gln Ser Leu Tyr Phe Lys Val Ile Leu Val Met Lys Phe
 35 40 45
 Tyr Met Gln Arg Glu Lys Val Thr Glu Thr Glu Asn Lys Ser Lys Gly
 50 55 60
 Lys Glu Tyr Tyr Gly Ile Lys Leu Ser Lys Gln Phe Trp Trp Lys Val
 65 70 75 80
 Lys Pro Val Ser Ala Pro His Gln Gly Cys Gly Pro Pro Arg His Ala
 85 90 95

<210> 6320

<211> 285

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (280)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6320

Gly Arg Ala Pro Gly Arg Arg Val Gly Leu Arg Cys Ala Arg Arg Thr
 1 5 10 15
 Ser Glu Ala Ala Gly Ser Gly Ala Gly Pro Pro Gly Pro Leu Gln Gly
 20 25 30
 Arg Ser Gly Ser Ser Trp Ala Pro Arg Pro Gly Arg Arg Thr Glu Glu
 35 40 45
 Arg Arg Lys Gly Ala Gly Gly Thr Arg Pro Arg Pro Ala Ala Ala Met
 50 55 60
 Asn Ser Asn Val Glu Asn Leu Pro Pro His Ile Ile Arg Leu Val Tyr
 65 70 75 80
 Lys Glu Val Thr Thr Leu Thr Ala Asp Pro Pro Asp Gly Ile Lys Val
 85 90 95
 Phe Pro Asn Glu Glu Asp Leu Thr Asp Leu Gln Val Thr Ile Glu Gly
 100 105 110

5551

Pro Glu Gly Thr Pro Tyr Ala Gly Gly Leu Phe Arg Met Lys Leu Leu
 115 120 125
 Leu Gly Lys Asp Phe Pro Ala Ser Pro Pro Lys Gly Tyr Phe Leu Thr
 130 135 140
 Lys Ile Phe His Pro Asn Val Gly Ala Asn Gly Glu Ile Cys Val Asn
 145 150 155 160
 Val Leu Lys Arg Asp Trp Thr Ala Glu Leu Gly Ile Arg His Val Leu
 165 170 175
 Leu Thr Ile Lys Cys Leu Leu Ile His Pro Asn Pro Glu Ser Ala Leu
 180 185 190
 Asn Glu Glu Ala Gly Arg Leu Leu Leu Glu Asn Tyr Glu Glu Tyr Ala
 195 200 205
 Ala Arg Ala Arg Leu Leu Thr Glu Ile His Gly Gly Ala Gly Gly Pro
 210 215 220
 Ser Gly Arg Ala Glu Ala Gly Arg Ala Leu Ala Ser Gly Thr Glu Ala
 225 230 235 240
 Ser Ser Thr Asp Pro Gly Ala Pro Gly Gly Pro Gly Gly Ala Glu Gly
 245 250 255
 Pro Met Ala Lys Lys His Ala Gly Glu Arg Asp Lys Lys Leu Ala Ala
 260 265 270
 Lys Lys Lys Thr Asp Lys Lys Xaa Ala Leu Arg Arg Leu
 275 280 285

<210> 6321

<211> 40

<212> PRT

<213> Homo sapiens

<400> 6321

His Glu Arg Met Leu Asn Leu Thr Asp Arg Gln Val Lys Ile Trp Phe
 1 5 10 15
 Gln Asn Arg Arg Met Lys Glu Lys Lys Leu Asn Arg Asp Arg Leu Gln
 20 25 30
 Tyr Phe Thr Gly Asn Pro Leu Phe
 35 40

5552

<210> 6322

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6322

Gly	Ala	Glu	Arg	Arg	Gln	Xaa	Val	Val	Lys	Lys	Ala	Asp	Met	Ile	Asn
1				5					10					15	

Xaa	Asn	Met	Thr	His	Gln	Val	Gln	Ala	Glu	Arg	Asp	Ala	Leu	Ala	Leu
			20					25					30		

Ser	Lys	Ser	Pro	Phe	Ile	Xaa	His	Leu	Tyr	Tyr	Ser	Leu	Gln	Ser	Ala
	35						40					45			

Asn	Asn	Val	Tyr	Leu	Val	Met	Glu	Tyr	Leu	Ile	Gly	Gly	Asp	Val	Lys
	50					55					60				

Ser	Leu	Leu	His	Ile	Tyr	Gly	Tyr	Phe	Asp	Glu	Glu	Met	Ala	Val	Lys
65					70					75					80

Tyr	Ile	Ser	Glu	Val	Ala	Leu	Ala	Leu	Asp	Tyr	Leu	His	Arg	His	Gly
				85					90					95	

Ile	Ile	His	Arg	Asp	Leu	Lys	Pro	Asp	Asn	Met	Leu	Ile	Ser	Asn	Glu
			100					105						110	

Gly	His	Ile	Lys	Leu	Thr
					115

<210> 6323

<211> 405

5553

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6323

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Met Glu Ala Glu Thr Pro Ser Thr Glu Val Pro Pro Asp Pro Glu Pro
 1              5              10              15

Gly Val Pro Leu Thr Pro Pro Ser Gln His Gln Glu Ala Gly Ala Gly
          20              25              30

Asp Leu Cys Ala Leu Cys Gly Glu His Leu Tyr Val Leu Glu Arg Leu
          35              40              45

Cys Val Asn Gly His Phe Phe His Arg Ser Cys Phe Arg Cys His Thr
          50              55              60

Cys Glu Ala Thr Leu Trp Pro Gly Gly Tyr Glu Gln His Pro Gly Asp
          65              70              75              80

Gly His Phe Tyr Cys Leu Gln His Leu Pro Gln Thr Asp His Lys Xaa
          85              90              95

Glu Gly Ser Asp Arg Gly Pro Glu Ser Pro Glu Leu Pro Thr Pro Ser
          100              105              110

Glu Asn Ser Met Pro Pro Gly Leu Ser Thr Pro Thr Ala Ser Gln Glu
          115              120              125

Gly Ala Gly Pro Val Pro Asp Pro Ser Gln Pro Thr Arg Arg Gln Ile
          130              135              140

Arg Leu Ser Ser Pro Glu Arg Gln Arg Leu Ser Ser Leu Asn Leu Thr
          145              150              155              160

Pro Asp Pro Glu Met Glu Pro Pro Pro Lys Pro Pro Arg Ser Cys Ser
          165              170              175

Ala Leu Ala Arg His Ala Leu Glu Ser Ser Phe Val Gly Trp Gly Leu
          180              185              190

Pro Val Gln Ser Pro Gln Ala Leu Val Ala Met Glu Lys Glu Glu Lys
          195              200              205

Glu Ser Pro Phe Ser Ser Glu Glu Glu Glu Glu Asp Val Pro Leu Asp
          210              215              220

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5554

Ser Asp Val Glu Gln Ala Leu Gln Thr Phe Ala Lys Thr Ser Gly Thr
 225 230 235 240
 Met Asn Asn Tyr Pro Thr Trp Arg Arg Thr Leu Leu Arg Arg Ala Lys
 245 250 255
 Glu Glu Glu Met Lys Arg Phe Cys Lys Ala Gln Thr Ile Gln Arg Arg
 260 265 270
 Leu Asn Glu Ile Glu Ala Ala Leu Arg Glu Leu Glu Ala Glu Gly Val
 275 280 285
 Lys Leu Glu Leu Ala Leu Arg Arg Gln Ser Ser Ser Pro Glu Gln Gln
 290 295 300
 Lys Lys Leu Trp Val Gly Gln Leu Leu Gln Leu Val Asp Lys Lys Asn
 305 310 315 320
 Ser Leu Val Ala Glu Glu Ala Glu Leu Met Ile Thr Val Gln Glu Leu
 325 330 335
 Asn Leu Glu Glu Lys Gln Trp Gln Leu Asp Gln Glu Leu Arg Gly Tyr
 340 345 350
 Met Asn Arg Glu Glu Asn Leu Lys Thr Ala Ala Asp Arg Gln Ala Glu
 355 360 365
 Asp Gln Val Leu Arg Lys Leu Val Asp Leu Val Asn Gln Arg Asp Ala
 370 375 380
 Leu Ile Arg Phe Gln Glu Glu Arg Arg Leu Ser Glu Leu Ala Leu Gly
 385 390 395 400
 Thr Gly Ala Gln Gly
 405

<210> 6324

<211> 114

<212> PRT

<213> Homo sapiens

<400> 6324

Leu Ile Lys Trp Lys Ile Ser Lys Glu Cys Lys Ile Ile Trp Gly Glu
 1 5 10 15
 Ser Cys Lys Met Trp Ser Phe Phe Thr Thr Asn Ile Phe Ser Pro Ser
 20 25 30
 Asp Val Tyr Met Phe Tyr Asp Leu Lys Tyr Gln Thr Met Val Cys Asp

5555

35 40 45
 Ile Met Gly Leu Pro Leu Ala Gln Lys Arg Leu Leu Leu Ser Ser Ala
 50 55 60
 Cys Leu Met Thr Ile Gly Trp Ser Leu Leu Ser Leu Asn Phe Tyr Phe
 65 70 75 80
 Leu Ile Ile Leu Val Ala Ile Arg Leu Lys Arg Glu Cys Thr Trp Glu
 85 90 95
 Arg Ile Leu Lys Thr Asp Gln Ser Val Lys Cys His Val Leu Glu Lys
 100 105 110
 Ile Lys

<210> 6325

<211> 80

<212> PRT

<213> Homo sapiens

<400> 6325

Asn Thr Ala Thr Tyr Pro Gly Asn Met Lys Ile Leu Phe Val Glu Pro
 1 5 10 15
 Ala Ile Phe Leu Ser Ala Phe Ala Met Thr Leu Thr Gly Pro Leu Thr
 20 25 30
 Thr Gln Tyr Val Tyr Arg Arg Ile Trp Glu Glu Thr Gly Asn Tyr Thr
 35 40 45
 Phe Ser Ser Asp Ser Asn Ile Ser Glu Cys Glu Lys Asn Lys Ser Ser
 50 55 60
 Pro Ile Phe Ala Phe Gln Glu Val Arg Asn Tyr Asn Ile His Ser Ile
 65 70 75 80

<210> 6326

<211> 34

<212> PRT

<213> Homo sapiens

<400> 6326

5556

Phe Met Ile Trp Asn Ser Ile His Pro Phe Ser Gly Ile Lys Thr Phe
1 5 10 15

Leu Asp Phe Phe Arg Ile Gly Ser Glu Leu Val Tyr Tyr Leu Ala Phe
20 25 30

Ser Phe

<210> 6327

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6327

Cys Arg Leu Val Lys Ala Ser Leu Asp Glu Lys Ser Ala Thr Gly Trp
1 5 10 15

Pro Pro Val Cys Phe Ala Met Arg Ile Asn Leu Leu Phe Val Cys Leu
20 25 30

Lys Thr Pro Ile Ser Glu Ser Ser Val Leu Met Phe Val Glu His Asn
35 40 45

Leu Ile Lys Asn Ile Lys Ile Phe Thr Leu Ala Phe Thr Leu Thr Val
50 55 60

Xaa Gly Gly Xaa
65

<210> 6328

<211> 25

<212> PRT

<213> Homo sapiens

<400> 6328

Gly Leu Leu Leu Val Pro Asn Ser Cys Arg Pro Gly Asp Pro Leu Val

5557

1 5 10 15
 Leu Glu Arg Pro Pro Pro Arg Trp Ser
 20 25

 <210> 6329
 <211> 106
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6329
 Lys Gly Val Pro Arg Ala Gln Gln Gly Ala Lys Ser Gly Asp Ile Ala
 1 5 10 15

 Ser Glu His Pro Thr Cys Ala Thr His Val His Pro Pro Thr His Thr
 20 25 30

 His Ala His Ser His Ala His Ser His Ala His Ser His Ala His Ser
 35 40 45

 His Ala His Ser His Ala His Ser His Ala His Ser His Ala His Ser
 50 55 60

 His Ala His Thr Ala Trp Thr Leu Phe Pro Leu Cys Pro Trp Xaa His
 65 70 75 80

 Thr Pro Ser Lys Pro Leu Thr Phe Ile Ser Pro Cys Val Phe Ser Lys
 85 90 95

 Lys Val Tyr Gln Ala Arg Pro Pro Gly Gly
 100 105

<210> 6330
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 6330
 Asn Phe Pro Leu Pro Gly Gly Glu Lys Gln Arg Val Ala Ile Ala Arg
 1 5 10 15

 Ala Ile Leu Lys Asp Pro Pro Val Ile Leu Tyr Asp Glu Ala Thr Ser

5558

20 25 30
 Ser Leu Asp Ser Ile Thr Glu Glu Thr Ile Leu Gly Ala Met Lys Asp
 35 40 45
 Val Val Lys His Arg Thr Ser Ile Phe Ile Ala His Arg Leu Ser Thr
 50 55 60
 Val Val Asp Ala Asp Glu Ile Ile Val Leu Asp Gln Gly Lys Val Ala
 65 70 75 80
 Glu Arg Gly Thr His His Gly Leu Leu Ala Asn Pro His Ser Ile Tyr
 85 90 95
 Ser Glu Met Trp His Thr Gln Ser Ser Arg Val Gln Asn His Asp Asn
 100 105 110
 Pro Lys Trp Glu Ala Lys Lys Glu Asn Ile Ser Lys Glu Glu Glu Arg
 115 120 125
 Lys Lys Leu Gln Glu Glu Ile Val Asn Ser Val Lys Gly Cys Gly Asn
 130 135 140
 Cys Ser Cys
 145

<210> 6331

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6331

Cys Gln Gln Leu Met Asp Leu Thr Ala Asn Leu Asn Leu Leu Trp Ser
 1 5 10 15

Ala Pro Phe Gln Ile Leu Met Ala Val Tyr Leu Leu Trp Gln Glu Leu
 20 25 30

Gly Pro Ala Val Leu Ala Gly Val Ala Val Leu Val Phe Val Ile Pro
 35 40 45

Ile Asn Ala Leu Ala Ala Thr Lys Ile Lys Lys Leu Lys Val Ser Leu
 50 55 60

5559

Ala Thr Leu Cys Val Tyr Phe Leu Leu Asp Glu Gly Asn Ile Leu Thr
65 70 75 80

Ala Thr Lys Val Phe Thr Ser Met Ser Leu Phe Asn Ile Leu Arg Ile
85 90 95

Pro Leu Phe Glu Leu Pro Thr Val Ile Ser Ala Val Val Gln Thr Lys
100 105 110

Ile Ser Leu Gly Arg Leu Glu Asp Phe Leu Asn Thr Glu Glu Leu Leu
115 120 125

Pro Gln Ser Ile Glu Thr Asn Tyr Thr Gly Asp His Ala Ile Gly Phe
130 135 140

Thr Asp Ala Ser Phe Ser Trp Asp Lys Thr Gly Met Pro Val Leu Lys
145 150 155 160

Glu Ala Leu Trp Leu Met Xaa Leu Asn Lys Pro Gly Phe Lys Ile Ala
165 170 175

<210> 6332

<211> 129

<212> PRT

<213> Homo sapiens

<400> 6332

Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Ala
1 5 10 15

Lys Cys Tyr His Glu Arg Arg Lys Leu Asp Phe Phe Val Leu Ile Met
20 25 30

Ala Ser Thr Cys Thr Phe Pro Glu Trp Ser Leu Leu Arg Pro Phe Leu
35 40 45

Val Pro Phe Gln Ser Cys Pro His His Pro Ala Pro Leu Ala Ser Val
50 55 60

His Ser Gly Pro Gln Pro Arg Pro Gly Leu Leu Cys Ser Ala Pro Thr
65 70 75 80

Ala His His Pro Ser Cys Phe Pro Glu Pro Asp Pro Val Pro Pro Thr
85 90 95

Gly Asn Gln Gly Cys Ala Leu Pro Cys Pro Arg Ser Pro Gly Leu Pro

5560

100	105	110
Val Leu Ser Leu Leu Ile Ile Ile Asn Ser Gly Phe Gln Leu Gln Pro		
115	120	125

Arg

<210> 6333

<211> 93

<212> PRT .

<213> Homo sapiens

<400> 6333

Asp Phe Gln Ile Asp Lys Cys Thr Gly Tyr Val Glu Val Gln Lys Ser
1 5 10 15

Ile Thr Val Leu Gln His Ile Tyr Leu Gly Asn Leu Lys His Val Leu
20 25 30

Leu Met Tyr Gln Ala Val Cys Cys Ser Gln Arg Asp Pro Ile Ser Ala
35 40 45

Leu Gly Ile Leu Gly Glu Asn Met Tyr Lys Glu Ile Val Leu Ala His
50 55 60

Ser Ser Lys Gly Ser Asp Gln Gly His Leu Ala Leu Arg Gly Asn Leu
65 70 75 80

Gly Lys Val Pro Trp Arg Met Arg Leu Leu Leu Lys Ser
85 90

<210> 6334

<211> 76

<212> PRT

<213> Homo sapiens

<400> 6334

Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg
1 5 10 15

Val Arg Asn Arg Glu Arg Lys Gly Gln Arg Trp Lys Ile Leu Phe Tyr
20 25 30

Cys Phe Asp Phe Arg His Pro Glu Arg Val Thr Asn Phe Lys Thr Leu
35 40 45

5561

Asn Lys Val Ala Leu Cys Trp Gly Arg Asn Leu Ala Ile Leu Val Thr
 50 55 60

Leu Lys Ser Arg Tyr Pro Phe Ser Leu Glu Ser Pro
 65 70 75

<210> 6335

<211> 349

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (340)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6335

Arg Asn Val Gln Leu Leu Thr Ala Ala Glu Thr Trp Glu Pro Arg Gly
 1 5 10 15

Pro Leu Ser Ser Gln Pro Pro Pro Pro Ser Ser Arg Ala Gly Pro Pro
 20 25 30

Arg Pro Arg Leu Leu Leu Thr Pro Arg Pro Gly Ala Arg Phe Cys Gly
 35 40 45

Ser Ile Ile Leu Cys His Tyr Glu Met Ser Ser Leu Gly Ala Ser Phe
 50 55 60

Val Gln Ile Lys Phe Asp Asp Leu Gln Phe Phe Glu Asn Cys Gly Gly
 65 70 75 80

Gly Ser Phe Gly Ser Val Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys
 85 90 95

Glu Val Ala Val Lys Lys Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile
 100 105 110

Leu Ser Val Leu Ser His Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile
 115 120 125

Leu Glu Pro Pro Asn Tyr Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly
 130 135 140

Ser Leu Tyr Asp Tyr Ile Asn Ser Asn Arg Ser Glu Glu Met Asp Met
 145 150 155 160

Asp His Ile Met Thr Trp Ala Thr Asp Val Ala Lys Gly Met His Tyr
 165 170 175

5562

Leu His Met Glu Ala Pro Val Lys Val Ile His Arg Asp Leu Lys Ser
 180 185 190
 Arg Asn Val Val Ile Ala Ala Asp Gly Val Leu Lys Ile Cys Asp Phe
 195 200 205
 Gly Ala Ser Arg Phe His Asn His Thr Thr His Met Ser Leu Val Gly
 210 215 220
 Thr Phe Pro Trp Met Ala Pro Glu Val Ile Gln Ser Leu Pro Val Ser
 225 230 235 240
 Glu Thr Cys Asp Thr Tyr Ser Tyr Gly Val Val Leu Trp Glu Met Leu
 245 250 255
 Thr Arg Glu Val Pro Phe Lys Gly Leu Glu Gly Leu Gln Val Ala Trp
 260 265 270
 Leu Val Val Glu Lys Asn Glu Arg Leu Thr Ile Pro Ser Ser Cys Pro
 275 280 285
 Arg Ser Phe Ala Glu Leu Leu His Gln Cys Trp Glu Ala Asp Ala Lys
 290 295 300
 Lys Arg Pro Ser Phe Lys Gln Ile Ile Ser Ile Leu Glu Ser Met Ser
 305 310 315 320
 Asn Asp Thr Ser Leu Leu Thr Ser Val Thr His Ser Tyr Thr Thr Arg
 325 330 335
 Arg Ser Gly Xaa Ala Lys Leu Arg Gln Leu Leu Arg Gly
 340 345

<210> 6336

<211> 65

<212> PRT

<213> Homo sapiens

<400> 6336

His Phe Gly Arg Pro Arg Gln Ala Asp His Leu Arg Ser Gly Val Gln
 1 5 10 15
 Asn Gln Pro Gly Gln Asp Gly Glu Thr Pro Ser Leu Leu Lys Ile Gln
 20 25 30
 Lys Lys Ile Ser Arg Ala Trp Trp His Val Pro Val Ile Pro Ala Thr
 35 40 45

5563

Trp Glu Thr Glu Ala Gly Glu Leu Leu Glu Pro Gly Arg Arg Arg Leu
 50 55 60

Gln
 65

<210> 6337
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 6337
 Ser Arg Asp Trp Val Thr Asn Asn Thr Arg Thr Lys Leu Arg Asp His
 1 5 10 15
 Tyr Ser Ser Ile Ser Pro Ser Phe His Lys Thr Ala Val Lys Met Phe
 20 25 30
 Asp Ile Lys Ala Trp Ala Glu Tyr Val Val Glu Trp Ala Ala Lys Asp
 35 40 45
 Pro Tyr Gly Phe Leu Thr Thr Val Ile Leu Ala Leu Thr Pro Leu Phe
 50 55 60
 Leu Ala Ser Ala Val Leu Ser Trp Lys Leu Ala Lys Met Ile Glu Ala
 65 70 75 80
 Arg Glu Lys Glu Gln Lys Lys Lys Gln Lys Arg Gln Glu Asn Ile Ala
 85 90 95
 Lys Ala Lys Arg Leu Lys Lys Asp
 100

<210> 6338
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 6338
 Thr His Trp Phe Gln Arg Pro Leu Arg Met Cys Leu Pro Ser Gln Ile
 1 5 10 15
 Trp Ala Phe Pro Val Pro Lys His His Leu Gly Gly Ser Leu Trp Val
 20 25 30
 Leu Ile Ser Ser His Met Phe Thr Pro His Val Gly Leu Pro Asn Cys
 35 40 45

5564

Pro Pro Gln Gly Lys Pro Phe Leu Pro Thr Ser Arg Lys Leu Leu Val
 50 55 60
 Pro Trp Pro Ser His Thr Ser Asp Leu Val Pro Leu Pro Gly Pro Val
 65 70 75 80
 Gly Phe Asn Asn Leu Val Ser Ser Leu Pro Arg Asn Pro Leu Cys Leu
 85 90 95
 Glu Cys Ser Pro Pro Ser Gln Pro Leu Ser His Thr Ile Phe Ser Phe
 100 105 110
 Leu Ser Ser Thr Lys Arg Trp Asp Lys Pro Val Cys Thr Gln Cys Leu
 115 120 125
 Trp Asp Asn Arg Arg Arg Asn Leu Glu Phe Gly Trp Val Ile Lys Leu
 130 135 140
 Trp Asn
 145

<210> 6339

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6339

Ser Ile Ile Pro Phe Lys Cys Tyr Phe Gln Phe Trp Gly Ile Phe Phe
 1 5 10 15

Phe Trp Ser Phe Cys Cys Xaa Cys Ser Phe Phe Thr Ile Pro Lys Met
 20 25 30

5565

Leu Gln Gln Ile Phe Phe Tyr Arg Leu Asn Val Ala Tyr Pro Lys Tyr
 35 40 45

Leu Gly Pro Glu Val Leu Gly Ile Ser Asp Phe Gln Ile Arg Asp Xaa
 50 55 60

Xaa Pro Val Tyr Thr Ser Leu His
 65 70

<210> 6340

<211> 385

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6340

His Leu Asn Val Asp Arg Lys Arg Pro Cys Ser Ile Glu Asp Arg Arg
 1 5 10 15

Asn Trp Ser Leu Ile Gly Arg Pro Gly Ala Pro Ala Ser Gly Leu Asn
 20 25 30

Arg Ser Ser Gly Leu Trp Leu Gly Pro Asp Arg Cys Arg Pro Arg Ser
 35 40 45

Arg Cys Ser Cys Arg Val Met Glu Asn Pro Ser Pro Ala Ala Ala Leu
 50 55 60

Gly Lys Ala Leu Cys Ala Leu Leu Leu Ala Thr Leu Gly Ala Ala Gly
 65 70 75 80

Gln Pro Leu Gly Gly Glu Ser Ile Cys Ser Ala Arg Ala Pro Ala Lys
 85 90 95

Tyr Ser Ile Thr Phe Thr Gly Lys Trp Ser Gln Thr Ala Phe Pro Lys
 100 105 110

Gln Tyr Pro Leu Phe Arg Pro Pro Ala Gln Trp Ser Ser Leu Leu Gly
 115 120 125

5566

Ala	Ala	His	Ser	Ser	Asp	Tyr	Ser	Met	Trp	Arg	Lys	Asn	Gln	Tyr	Val	130	135	140
Ser	Asn	Gly	Leu	Arg	Asp	Phe	Ala	Glu	Arg	Gly	Glu	Ala	Trp	Ala	Leu	145	150	155
Met	Lys	Glu	Ile	Glu	Ala	Ala	Gly	Glu	Ala	Leu	Gln	Ser	Val	His	Xaa	165	170	175
Val	Phe	Ser	Ala	Pro	Ala	Val	Pro	Ser	Gly	Thr	Gly	Gln	Thr	Ser	Ala	180	185	190
Glu	Leu	Glu	Val	Gln	Arg	Arg	His	Ser	Leu	Val	Ser	Phe	Val	Val	Arg	195	200	205
Ile	Val	Pro	Ser	Pro	Asp	Trp	Phe	Val	Gly	Val	Asp	Ser	Leu	Asp	Leu	210	215	220
Cys	Asp	Gly	Asp	Arg	Trp	Arg	Glu	Gln	Ala	Ala	Leu	Asp	Leu	Tyr	Pro	225	230	235
Tyr	Asp	Ala	Gly	Thr	Asp	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Pro	Asn	Phe	245	250	255
Ala	Thr	Ile	Pro	Gln	Asp	Thr	Val	Thr	Glu	Ile	Thr	Ser	Ser	Ser	Pro	260	265	270
Ser	His	Pro	Ala	Asn	Ser	Phe	Tyr	Tyr	Pro	Arg	Leu	Lys	Ala	Leu	Pro	275	280	285
Pro	Ile	Ala	Arg	Val	Thr	Leu	Xaa	Arg	Leu	Arg	Gln	Ser	Pro	Arg	Ala	290	295	300
Phe	Ile	Pro	Pro	Ala	Pro	Val	Leu	Pro	Ser	Arg	Asp	Asn	Glu	Ile	Val	305	310	315
Asp	Ser	Ala	Ser	Val	Pro	Glu	Thr	Pro	Leu	Asp	Cys	Glu	Val	Ser	Leu	325	330	335
Trp	Ser	Ser	Trp	Gly	Leu	Cys	Gly	Gly	His	Cys	Gly	Arg	Leu	Gly	Thr	340	345	350
Lys	Ser	Arg	Thr	Arg	Tyr	Val	Arg	Val	Gln	Pro	Ala	Asn	Asn	Gly	Ser	355	360	365
Pro	Cys	Pro	Glu	Leu	Glu	Glu	Glu	Ala	Glu	Cys	Val	Pro	Asp	Asn	Cys	370	375	380
Val																385		

5567

<210> 6341

<211> 124

<212> PRT

<213> Homo sapiens

<400> 6341

Arg Pro Ala Cys Pro Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
 1 5 10 15

Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Leu Cys
 20 25 30

Arg Lys Met Gly Val Pro Tyr Cys Ile Ile Lys Gly Lys Ala Arg Leu
 35 40 45

Gly Arg Leu Val His Arg Lys Thr Cys Thr Thr Val Ala Phe Thr Gln
 50 55 60

Val Asn Ser Glu Asp Lys Gly Ala Leu Ala Lys Leu Val Glu Ala Ile
 65 70 75 80

Arg Thr Asn Tyr Asn Asp Arg Tyr Asp Glu Ile Arg Arg His Trp Gly
 85 90 95

Gly Asn Val Leu Gly Pro Lys Ser Val Ala Arg Ile Ala Lys Leu Glu
 100 105 110

Lys Ala Lys Ala Lys Glu Leu Ala Thr Lys Leu Gly
 115 120

<210> 6342

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6342

Ala Trp Lys Arg Arg Arg Glu Val Lys Asp Gln Ser Leu Ile Gly Thr
 1 5 10 15

Gly Ser His Ser Gly Ser Ser Leu Gln Ser Asp Pro His Phe Gly Cys
 20 25 30

5568

Ser Leu Gly Pro Ser Ser Gly Pro Arg Ser Ile Arg Leu His Pro Pro
 35 40 45

Ser Leu Phe Arg Ile Leu Ser Cys Ala Xaa Pro Thr Pro Gly Ser Arg
 50 55 60

Ser Gln Thr Ser Ser His Gly Trp Ser Leu Leu Pro Ser Ala Val Arg
 65 70 75 80

Pro Pro Gly Thr Gln Ala Pro Gly Phe Gly Arg Ser Gly Val Ser Ser
 85 90 95

Arg Trp Val Ser Ala Pro Thr Gly Thr Cys Thr Ser Cys Gln
 100 105 110

<210> 6343

<211> 226

<212> PRT

<213> Homo sapiens

<400> 6343

Thr Glu Gly Tyr Gly Cys Gln Lys Thr Thr Glu Gly Tyr Gly Cys Glu
 1 5 10 15

Lys Thr Thr Glu Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Gly Ser
 20 25 30

Ser Ser Phe Ala Pro Arg Val His Gly Ser Ser Phe Ser Phe Pro Leu
 35 40 45

Gly Arg Glu Glu Ala Met Ala Ala Met Ala Ser Leu Gly Ala Leu Ala
 50 55 60

Leu Leu Leu Leu Ser Ser Leu Ser Arg Cys Ser Ala Glu Ala Cys Leu
 65 70 75 80

Glu Pro Gln Ile Thr Pro Ser Tyr Tyr Thr Thr Ser Asp Ala Val Ile
 85 90 95

Ser Thr Glu Thr Val Phe Ile Val Glu Ile Ser Leu Thr Cys Lys Asn
 100 105 110

Arg Val Gln Asn Met Ala Leu Tyr Ala Asp Val Gly Gly Lys Gln Phe
 115 120 125

Pro Val Thr Arg Gly Gln Asp Val Gly Arg Tyr Gln Val Ser Trp Ser
 130 135 140

Leu Asp His Lys Ser Ala His Ala Gly Thr Tyr Glu Val Arg Phe Phe

5569

145 150 155 160
 Asp Glu Glu Ser Tyr Ser Leu Leu Arg Lys Ala Gln Arg Asn Asn Glu
 165 170 175
 Asp Ile Ser Ile Ile Pro Pro Leu Phe Thr Val Ser Val Asp His Arg
 180 185 190
 Gly Thr Trp Asn Gly Pro Trp Val Ser Thr Glu Val Leu Ala Ala Ala
 195 200 205
 Ile Gly Leu Val Ile Tyr Tyr Leu Ala Phe Ser Ala Lys Ser His Ile
 210 215 220
 Gln Ala
 225

<210> 6344

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (185)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6344

Ser Pro Arg Pro Leu Arg Phe Cys Gly Gly Ala Arg Ala Arg Arg Pro
 1 5 10 15
 Leu Ser Ala Val Ala Arg Pro Ala Arg Ser Ser Asp Pro Leu Arg Ser
 20 25 30
 Ala Pro Leu Gly Pro Ala Pro Pro Val Asn Met Ile Arg Cys Gly Leu
 35 40 45
 Ala Cys Glu Arg Cys Arg Trp Ile Leu Pro Leu Leu Leu Leu Ser Ala
 50 55 60
 Ile Ala Phe Asp Ile Ile Ala Leu Ala Gly Arg Gly Trp Leu Gln Ser
 65 70 75 80
 Ser Asp His Gly Gln Thr Ser Ser Leu Trp Trp Lys Cys Ser Gln Glu
 85 90 95
 Gly Gly Gly Ser Gly Ser Tyr Glu Glu Gly Cys Gln Ser Leu Met Glu
 100 105 110

5570

Tyr Ala Trp Gly Arg Ala Ala Ala Ala Met Leu Phe Cys Gly Phe Ile
 115 120 125
 Ile Leu Val Ile Cys Phe Ile Leu Ser Phe Phe Ala Leu Cys Gly Pro
 130 135 140
 Gln Met Leu Val Phe Leu Arg Val Ile Gly Gly Leu Leu Ala Leu Ala
 145 150 155 160
 Ala Val Phe Gln Ile Ile Ser Leu Val Ile Tyr Pro Val Lys Tyr Thr
 165 170 175
 Gln Thr Phe Thr Leu His Ala Asn Xaa Ala Val Thr Tyr Ile Tyr Asn
 180 185 190
 Trp Ala Tyr Gly Phe Gly Trp Ala Ala Thr Ile Ile Leu Ile Gly Cys
 195 200 205
 Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr Glu Asp Asp Leu Leu Gly
 210 215 220
 Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser Ala
 225 230 235

<210> 6345

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6345

Gly Asn Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro
 1 5 10 15
 Asp Ser Met Lys Phe Glu Ile Gly Glu Ala Leu Tyr Leu Gly Ile Ile
 20 25 30
 Ser Ser Leu Phe Ser Leu Ile Ala Gly Ile Ile Leu Cys Phe Ser Cys
 35 40 45
 Ser Ser Gln Arg Asn Arg Ser Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln
 50 55 60
 Pro Leu Ala Thr Arg Ser Ser Pro Arg Pro Gly Gln Pro Pro Lys Val
 65 70 75 80

5571

Lys Ser Glu Phe Asn Ser Tyr Xaa
85

<210> 6346

<211> 105

<212> PRT

<213> Homo sapiens

<400> 6346

Gly Ser Val Ala Gln Ser Arg Pro Ala Tyr Leu Ser Lys Asn Ser Lys
1 5 10 15

Ser Leu Ser Gln Pro Thr Gly Leu Asn Leu His Trp Lys Pro Thr Cys
20 25 30

Trp His Pro Arg Ser Pro Thr Leu Leu Ala Trp Val Gly Glu Ala Lys
35 40 45

Asp His Pro Lys Phe Thr His Leu Ser Ser Ala Ala Ser His Trp Ala
50 55 60

Ser Ala Ala Pro Gln His Gln Phe Thr Gly His Pro Ser Leu Leu Ala
65 70 75 80

Leu Ser Pro Asn Leu Leu Ser Ile Pro Arg Ser Asn Leu Pro Leu Arg
85 90 95

Ser Ala Arg Asn Ser Phe Arg Pro His
100 105

<210> 6347

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5572

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6347

Arg	Cys	Cys	Leu	Pro	Glu	Asp	Gly	Lys	Ala	Asp	Ile	Val	Arg	Ala	Ala
1				5					10					15	

Gln	Asp	Phe	Cys	Gln	Xaa	Val	Ala	Gln	Lys	Gln	Xaa	Arg	Pro	Thr	Asp
			20					25					30		

Leu	Asp	Val	Asp	Thr	Leu	Ala	Ser	Leu	Leu	Ser	Ser	Asn	Gly	Cys	Pro
		35					40					45			

Asp	Pro	Asp	Leu	Val	Leu	Lys	Phe	Gly	Pro	Val	Asp	Ser	Thr	Xaa	Gly
	50					55					60				

Phe	Leu	Pro	Trp	His	Ile	Arg	Leu	Thr	Glu	Ile	Val	Ser	Leu	Pro	Ser
65					70					75					80

His	Leu	Asn	Ile	Ser	Tyr	Glu	Asp	Phe	Phe	Ser	Ala	Leu	Arg	Gln	Tyr
				85					90					95	

Ala	Ala	Cys	Glu	Gln	Arg	Leu	Gly	Lys
		100						105

<210> 6348

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6348

Tyr	Phe	Asp	Ile	Ser	Lys	His	Leu	His	Gly	Asn	His	Tyr	Ile	Asp	Pro
1				5					10					15	

Thr	Cys	Gly	Phe	Ser	Ser	Tyr	Val	His	Leu	Thr	Arg	Ile	Tyr	Tyr	Phe
			20					25					30		

Arg	Tyr	Asn	Leu	Gln	Met	Ser	His	Leu	Ile	Ile	Phe	Tyr	Asn	Ile	Pro
		35					40					45			

Tyr	Phe	Ile	Lys	Val	Leu	Leu	Glu	Lys	Tyr	Leu	Pro	Gln	Arg	Ser	Phe
	50					55					60				

Cys	His	Cys	Val	Arg	Cys	Val	Phe	Glu	Pro	Thr	Met	Thr	Glu	Ser	Lys
65					70					75					80

Phe

5573

<210> 6349

<211> 100

<212> PRT

<213> Homo sapiens

<400> 6349

Leu Lys Ile Asn Pro Ser Gly Lys Lys Lys Lys Lys Lys Asn Ser Arg
1 5 10 15

Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser
20 25 30

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
35 40 45

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
50 55 60

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu
65 70 75 80

Asn Gly Glu Trp Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala
85 90 95

Leu Asn Phe Cys
100

<210> 6350

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

5574

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (203)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (230)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6350
 Arg Asp Xaa Trp Xaa Ala Ile Pro Asp Thr Ile Asp Xaa Thr Pro Ala
 1 5 10 15
 Xaa Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Ala Pro
 20 25 30
 Pro Ala Met Val Val Ser Gly Ala Pro Pro Ala Leu Gly Gly Gly Cys
 35 40 45
 Leu Gly Thr Phe Thr Ser Leu Leu Leu Leu Ala Ser Thr Ala Ile Leu
 50 55 60
 Asn Ala Ala Arg Ile Pro Val Pro Pro Ala Cys Gly Lys Pro Gln Gln
 65 70 75 80
 Leu Asn Arg Val Val Gly Gly Glu Asp Ser Thr Asp Ser Glu Trp Pro
 85 90 95
 Trp Ile Val Ser Ile Xaa Lys Asn Gly Thr His His Cys Ala Gly Ser
 100 105 110
 Leu Leu Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp
 115 120 125

5575

Asn Leu Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln
 130 135 140
 Leu Gly Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val
 145 150 155 160
 Glu Pro His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile
 165 170 175
 Ala Leu Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu
 180 185 190
 Pro Ile Cys Leu Pro Asp Ala Ser Ile Xaa Xaa Pro Pro Asn Thr His
 195 200 205
 Cys Trp Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro
 210 215 220
 Thr Leu Arg Pro Cys Xaa Ser
 225 230

<210> 6351

<211> 240

<212> PRT

<213> Homo sapiens

<400> 6351

Gly Phe Pro Gly Thr Gly Ser Gly Gln Gly Ile Arg Pro Thr His Pro
 1 5 10 15
 Arg Gly Lys Pro Gly Pro Ser Gly Ala Asp Arg Gly Pro His Gly Pro
 20 25 30
 Arg Gly Gly Arg Arg Arg Leu Gly Val Ala Gly Arg Ala Ser Arg Val
 35 40 45
 Asp Arg Ala His Ala Ala Ala Ala His Thr Gly Leu Gly Glu Glu Phe
 50 55 60
 His Asp Val Glu Asp Ala Glu Thr Tyr Lys Lys Met Leu Ala Arg Asp
 65 70 75 80
 Glu Arg Arg Phe Arg Val Ala Asp Gln Asp Gly Asp Ser Met Ala Thr
 85 90 95
 Arg Glu Glu Leu Thr Ala Phe Leu His Pro Glu Glu Phe Pro His Met
 100 105 110
 Arg Asp Ile Val Ile Ala Glu Thr Leu Glu Asp Leu Asp Arg Asn Lys

5576

115	120	125
Asp Gly Tyr Val Gln Val Glu Glu Tyr Ile Ala Asp Leu Tyr Ser Ala		
130	135	140
Glu Pro Gly Glu Glu Glu Pro Ala Trp Val Gln Thr Glu Arg Gln Gln		
145	150	155
Phe Arg Asp Phe Arg Asp Leu Asn Lys Asp Gly His Leu Asp Gly Ser		
	165	170
Glu Val Gly His Trp Val Leu Pro Pro Ala Gln Asp Gln Pro Leu Val		
	180	185
Glu Ala Asn His Leu Leu His Glu Ser Asp Thr Asp Lys Asp Gly Arg		
	195	200
Leu Ser Lys Ala Glu Ile Leu Gly Asn Trp Asn Met Phe Val Gly Ser		
	210	220
Gln Ala Thr Asn Tyr Gly Glu Asp Leu Thr Arg His His Asp Glu Leu		
225	230	235
		240

<210> 6352

<211> 505

<212> PRT

<213> Homo sapiens

<400> 6352

His Arg Arg Gly Ser Ile Pro Arg Gln Gln Leu Ser Pro Thr Ala Phe
1 5 10 15
Pro Ala Arg Asn His Leu Ser Thr Ile Pro Trp Gly Leu Pro Arg Thr
20 25 30
Ile Glu Glu Leu Arg Leu Asp Asp Asn Arg Ile Ser Thr Ile Ser Ser
35 40 45
Pro Ser Leu Gln Gly Leu Thr Ser Leu Lys Arg Leu Val Leu Asp Gly
50 55 60
Asn Leu Leu Asn Asn His Gly Leu Gly Asp Lys Val Phe Phe Asn Leu
65 70 75 80
Val Asn Leu Thr Glu Leu Ser Leu Val Arg Asn Ser Leu Thr Ala Ala
85 90 95

5577

Pro	Val	Asn	Leu	Pro	Gly	Thr	Asn	Leu	Arg	Lys	Leu	Tyr	Leu	Gln	Asp	100	105	110
Asn	His	Ile	Asn	Arg	Val	Pro	Pro	Asn	Ala	Phe	Ser	Tyr	Leu	Arg	Gln	115	120	125
Leu	Tyr	Arg	Leu	Asp	Met	Ser	Asn	Asn	Asn	Leu	Ser	Asn	Leu	Pro	Gln	130	135	140
Gly	Ile	Phe	Asp	Asp	Leu	Asp	Asn	Ile	Thr	Gln	Leu	Ile	Leu	Arg	Asn	145	150	155
Asn	Pro	Trp	Tyr	Cys	Gly	Cys	Lys	Met	Lys	Trp	Val	Arg	Asp	Trp	Leu	165	170	175
Gln	Ser	Leu	Pro	Val	Lys	Val	Asn	Val	Arg	Gly	Leu	Met	Cys	Gln	Ala	180	185	190
Pro	Glu	Lys	Val	Arg	Gly	Met	Ala	Ile	Lys	Asp	Leu	Asn	Ala	Glu	Leu	195	200	205
Phe	Asp	Cys	Lys	Asp	Ser	Gly	Ile	Val	Ser	Thr	Ile	Gln	Ile	Thr	Thr	210	215	220
Ala	Ile	Pro	Asn	Thr	Val	Tyr	Pro	Ala	Gln	Gly	Gln	Trp	Pro	Ala	Pro	225	230	235
Val	Thr	Lys	Gln	Pro	Asp	Ile	Lys	Asn	Pro	Lys	Leu	Thr	Lys	Asp	Gln	245	250	255
Gln	Thr	Thr	Gly	Ser	Pro	Ser	Arg	Lys	Thr	Ile	Thr	Ile	Thr	Val	Lys	260	265	270
Ser	Val	Thr	Ser	Asp	Thr	Ile	His	Ile	Ser	Trp	Lys	Leu	Ala	Leu	Pro	275	280	285
Met	Thr	Ala	Leu	Arg	Leu	Ser	Trp	Leu	Lys	Leu	Gly	His	Ser	Pro	Ala	290	295	300
Phe	Gly	Ser	Ile	Thr	Glu	Thr	Ile	Val	Thr	Gly	Glu	Arg	Ser	Glu	Tyr	305	310	315
Leu	Val	Thr	Ala	Leu	Glu	Pro	Asp	Ser	Pro	Tyr	Lys	Val	Cys	Met	Val	325	330	335
Pro	Met	Glu	Thr	Ser	Asn	Leu	Tyr	Leu	Phe	Asp	Glu	Thr	Pro	Val	Cys	340	345	350
Ile	Glu	Thr	Glu	Thr	Ala	Pro	Leu	Arg	Met	Tyr	Asn	Pro	Thr	Thr	Thr	355	360	365

5578

Leu Asn Arg Glu Gln Glu Lys Glu Pro Tyr Lys Asn Pro Asn Leu Pro
370 375 380

Leu Ala Ala Ile Ile Gly Gly Ala Val Ala Leu Val Thr Ile Ala Leu
385 390 395 400

Leu Ala Leu Val Cys Trp Tyr Val His Arg Asn Gly Ser Leu Phe Ser
405 410 415

Arg Asn Cys Ala Tyr Ser Lys Gly Arg Arg Arg Lys Asp Asp Tyr Ala
420 425 430

Glu Ala Gly Thr Lys Lys Asp Asn Ser Ile Leu Glu Ile Arg Glu Thr
435 440 445

Ser Phe Gln Met Leu Pro Ile Ser Asn Glu Pro Ile Ser Lys Glu Glu
450 455 460

Phe Val Ile His Thr Ile Phe Pro Pro Asn Gly Met Asn Leu Tyr Lys
465 470 475 480

Asn Asn His Ser Glu Ser Ser Ser Asn Arg Ser Tyr Arg Asp Ser Gly
485 490 495

Ile Pro Asp Ser Asp His Ser His Ser
500 505

<210> 6353

<211> 719

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (250)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (278)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (647)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5579

<221> SITE

<222> (650)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6353

Thr Ala Trp Pro Ala Ser Trp Thr Thr Pro Pro Ala Ser Ser Met Ser
1 5 10 15

Arg Asp Leu Leu Phe Lys His Tyr Cys Tyr Pro Glu Arg Asp Pro Glu
20 25 30

Glu Val Phe Ala Phe Leu Leu Arg Phe Pro His Val Ala Leu Phe Thr
35 40 45

Phe Asp Gly Leu Asp Glu Leu His Ser Asp Leu Asp Leu Ser Arg Val
50 55 60

Pro	Asp	Ser	Ser	Cys	Pro	Trp	Glu	Pro	Ala	His	Pro	Leu	Val	Leu	Leu
65					70					75					80

Ala Asn Leu Leu Ser Gly Lys Leu Leu Lys Gly Ala Ser Lys Leu Leu
85 90 95

Thr Ala Arg Thr Gly Ile Glu Val Pro Arg Gln Phe Leu Arg Lys Lys
100 105 110

Val Leu Leu Arg Gly Phe Ser Pro Ser His Leu Arg Ala Tyr Ala Arg
115 120 125

Arg Met Phe Pro Glu Arg Ala Leu Gln Asp Arg Leu Leu Ser Gln Leu
130 135 140

Glu Ala Asn Pro Asn Leu Cys Ser Leu Cys Ser Val Pro Leu Phe Cys
145 150 155 160

Trp Ile Ile Phe Arg Cys Phe Gln His Phe Arg Ala Ala Phe Glu Gly
165 170 175

Ser Pro Gln Leu Pro Asp Cys Thr Met Thr Leu Thr Asp Val Phe Leu

Leu Val Thr Glu Val His Leu Asn Arg Met Gln Pro Ser Ser Leu Val
195 200 205

Gln Arg Asn Thr Arg Ser Pro Val Glu Thr Leu His Ala Gly Arg Asp
210 215 220

Thr Leu Cys Ser Leu Gly Gln Val Ala His Arg Gly Met Glu Lys Ser
225 230 235 240

Leu Phe Val Phe Thr Gln Glu Glu Val Xaa Ala Ser Gly Leu Gln Glu

5580

245							250							255				
Arg	Asp	Met	Gln	Leu	Gly	Phe	Leu	Arg	Ala	Leu	Pro	Glu	Leu	Gly	Pro			
			260					265					270					
Gly	Gly	Asp	Gln	Gln	Xaa	Tyr	Glu	Phe	Phe	His	Leu	Thr	Leu	Gln	Ala			
			275					280					285					
Phe	Phe	Thr	Ala	Phe	Phe	Leu	Val	Leu	Asp	Asp	Arg	Val	Gly	Thr	Gln			
			290					295					300					
Glu	Leu	Leu	Arg	Phe	Phe	Gln	Glu	Trp	Met	Pro	Pro	Ala	Gly	Ala	Ala			
305						310					315		320					
Thr	Thr	Ser	Cys	Tyr	Pro	Pro	Phe	Leu	Pro	Phe	Gln	Cys	Leu	Gln	Gly			
			325					330						335				
Ser	Gly	Pro	Ala	Arg	Glu	Asp	Leu	Phe	Lys	Asn	Lys	Asp	His	Phe	Gln			
			340					345					350					
Phe	Thr	Asn	Leu	Phe	Leu	Cys	Gly	Leu	Leu	Ser	Lys	Ala	Lys	Gln	Lys			
			355					360					365					
Leu	Leu	Arg	His	Leu	Val	Pro	Ala	Ala	Ala	Leu	Arg	Arg	Lys	Arg	Lys			
370						375					380							
Ala	Leu	Trp	Ala	His	Leu	Phe	Ser	Ser	Leu	Arg	Gly	Tyr	Leu	Lys	Ser			
385						390					395		400					
Leu	Pro	Arg	Val	Gln	Val	Glu	Ser	Phe	Asn	Gln	Val	Gln	Ala	Met	Pro			
			405					410						415				
Thr	Phe	Ile	Trp	Met	Leu	Arg	Cys	Ile	Tyr	Glu	Thr	Gln	Ser	Gln	Lys			
			420					425						430				
Val	Gly	Gln	Leu	Ala	Ala	Arg	Gly	Ile	Cys	Ala	Asn	Tyr	Leu	Lys	Leu			
			435					440					445					
Thr	Tyr	Cys	Asn	Ala	Cys	Ser	Ala	Asp	Cys	Ser	Ala	Leu	Ser	Phe	Val			
450						455					460							
Leu	His	His	Phe	Pro	Lys	Arg	Leu	Ala	Leu	Asp	Leu	Asp	Asn	Asn	Asn			
465						470					475		480					
Leu	Asn	Asp	Tyr	Gly	Val	Arg	Glu	Leu	Gln	Pro	Cys	Phe	Ser	Arg	Leu			
			485					490						495				
Thr	Val	Leu	Arg	Leu	Ser	Val	Asn	Gln	Ile	Thr	Asp	Gly	Gly	Val	Lys			
			500					505						510				
Val	Leu	Ser	Glu	Glu	Leu	Thr	Lys	Tyr	Lys	Ile	Val	Thr	Tyr	Leu	Gly			

5581

515		520		525
Leu Tyr Asn Asn Gln Ile Thr Asp Val Gly Ala Arg Tyr Val Thr Lys				
530		535		540
Ile Leu Asp Glu Cys Lys Gly Leu Thr His Leu Lys Leu Gly Lys Asn				
545		550		555
Lys Ile Thr Ser Glu Gly Gly Lys Tyr Leu Ala Leu Ala Val Lys Asn				
	565		570	575
Ser Lys Ser Ile Ser Glu Val Gly Met Trp Gly Asn Gln Val Gly Asp				
	580		585	590
Glu Gly Ala Lys Ala Phe Ala Glu Ala Leu Arg Asn His Pro Ser Leu				
	595		600	605
Thr Thr Leu Ser Leu Ala Ser Asn Gly Ile Ser Thr Glu Gly Gly Lys				
	610		615	620
Ser Leu Ala Arg Ala Leu Gln Gln Asn Thr Ser Leu Glu Ile Leu Trp				
625		630		635
Leu Thr Gln Asn Glu Leu Xaa Asp Glu Xaa Ala Glu Ser Leu Ala Glu				
	645		650	655
Met Leu Lys Val Asn Gln Thr Leu Lys His Leu Trp Leu Ile Gln Asn				
	660		665	670
Gln Ile Thr Ala Lys Gly Thr Ala Gln Leu Ala Asp Ala Leu Gln Ser				
	675		680	685
Asn Thr Gly Ile Thr Glu Ile Cys Leu Asn Gly Asn Leu Ile Lys Pro				
	690		695	700
Glu Glu Ala Lys Val Tyr Glu Asp Glu Lys Arg Ile Ile Cys Phe				
705		710		715

<210> 6354

<211> 729

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5582

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6354

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Leu Ser Pro Leu Lys Leu Tyr Ala Gln Val Cys Arg Tyr Asp Leu Gly
 1             5             10             15

Pro Tyr Leu Ala Ser Leu Pro Leu Asp Ser Ser Leu Leu Xaa Gln Pro
          20             25             30

Asn Leu Val Ala Pro Thr Ser Gln Ser Leu Ile Thr Pro Pro Gln Met
          35             40             45

Thr Asn Thr Gly Asn Ala Asn Thr Pro Ser Ala Thr Leu Ala Ser Ala
 50             55             60

Ala Ser Ser Thr Met Thr Val Thr Ser Gly Val Ala Ile Ser Thr Ser
 65             70             75             80

Val Ala Thr Ala Asn Ser Thr Leu Thr Thr Ala Ser Thr Ser Ser Ser
          85             90             95

Ser Ser Ser Asn Leu Asn Ser Gly Val Ser Ser Asn Lys Leu Pro Ser
          100            105            110

Phe Pro Pro Phe Gly Ser Met Asn Ser Asn Ala Ala Gly Ser Met Ser
          115            120            125

Thr Gln Ala Asn Thr Val Gln Ser Gly Gln Leu Gly Gly Gln Gln Thr
          130            135            140

Ser Ala Leu Gln Thr Ala Gly Ile Ser Gly Glu Ser Ser Ser Leu Pro
          145            150            155            160

Thr Gln Pro His Pro Asp Val Ser Glu Ser Thr Met Asp Arg Asp Lys
          165            170            175

Val Gly Ile Pro Thr Asp Gly Asp Ser His Ala Val Thr Tyr Pro Pro
          180            185            190

Ala Ile Val Xaa Tyr Ile Ile Asp Pro Phe Thr Tyr Glu Asn Thr Asp
          195            200            205

Glu Ser Thr Asn Ser Ser Ser Val Trp Thr Leu Gly Leu Leu Arg Cys
          210            215            220

Phe Leu Glu Met Val Gln Thr Leu Pro Pro His Ile Lys Ser Thr Val
          225            230            235            240

Ser Val Gln Ile Ile Pro Cys Gln Tyr Leu Leu Gln Pro Val Lys His

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5583

			245				250				255						
Glu	Asp	Arg	Glu	Ile	Tyr	Pro	Gln	His	Leu	Lys	Ser	Leu	Ala	Phe	Ser		
			260					265					270				
Ala	Phe	Thr	Gln	Cys	Arg	Arg	Pro	Leu	Pro	Thr	Ser	Thr	Asn	Val	Lys		
			275					280					285				
Thr	Leu	Thr	Gly	Phe	Gly	Pro	Gly	Leu	Ala	Met	Glu	Thr	Ala	Leu	Arg		
			290					295					300				
Ser	Pro	Asp	Arg	Pro	Glu	Cys	Ile	Arg	Leu	Tyr	Ala	Pro	Pro	Phe	Ile		
305						310					315					320	
Leu	Ala	Pro	Val	Lys	Asp	Lys	Gln	Thr	Glu	Leu	Gly	Glu	Thr	Phe	Gly		
			325					330						335			
Glu	Ala	Gly	Gln	Lys	Tyr	Asn	Val	Leu	Phe	Val	Gly	Tyr	Cys	Leu	Ser		
			340					345					350				
His	Asp	Gln	Arg	Trp	Ile	Leu	Ala	Ser	Cys	Thr	Asp	Leu	Tyr	Gly	Glu		
			355					360					365				
Leu	Leu	Glu	Thr	Cys	Ile	Ile	Asn	Ile	Asp	Val	Pro	Asn	Arg	Ala	Arg		
370						375						380					
Arg	Lys	Lys	Ser	Ser	Ala	Arg	Lys	Phe	Gly	Leu	Gln	Lys	Leu	Trp	Glu		
385						390					395					400	
Trp	Cys	Leu	Gly	Leu	Val	Gln	Met	Ser	Ser	Leu	Pro	Trp	Arg	Val	Val		
			405					410						415			
Ile	Gly	Arg	Leu	Gly	Arg	Ile	Gly	His	Gly	Glu	Leu	Lys	Asp	Trp	Ser		
			420					425					430				
Cys	Leu	Leu	Ser	Arg	Arg	Asn	Leu	Gln	Ser	Leu	Ser	Lys	Arg	Leu	Lys		
435						440						445					
Asp	Met	Cys	Arg	Met	Cys	Gly	Ile	Ser	Ala	Ala	Asp	Ser	Pro	Ser	Ile		
450						455					460						
Leu	Ser	Ala	Cys	Leu	Val	Ala	Met	Glu	Pro	Gln	Gly	Ser	Phe	Val	Ile		
465						470					475					480	
Met	Pro	Asp	Ser	Val	Ser	Thr	Gly	Ser	Val	Phe	Gly	Arg	Ser	Thr	Thr		
			485					490						495			
Leu	Asn	Met	Gln	Thr	Ser	Gln	Leu	Asn	Thr	Pro	Gln	Asp	Thr	Ser	Cys		
			500					505						510			
Thr	His	Ile	Leu	Val	Phe	Pro	Thr	Ser	Ala	Ser	Val	Gln	Val	Ala	Ser		

5584

515					520					525					
Ala	Thr	Tyr	Thr	Thr	Glu	Asn	Leu	Asp	Leu	Ala	Phe	Asn	Pro	Asn	Asn
530					535					540					
Asp	Gly	Ala	Asp	Gly	Met	Gly	Ile	Phe	Asp	Leu	Leu	Asp	Thr	Gly	Asp
545					550					555					560
Asp	Leu	Asp	Pro	Asp	Ile	Ile	Asn	Ile	Leu	Pro	Ala	Ser	Pro	Thr	Gly
				565					570					575	
Ser	Pro	Val	His	Ser	Pro	Gly	Ser	His	Tyr	Pro	His	Gly	Gly	Asp	Ala
			580					585					590		
Gly	Lys	Gly	Gln	Ser	Thr	Asp	Arg	Leu	Leu	Ser	Thr	Glu	Pro	His	Glu
		595					600					605			
Glu	Val	Pro	Asn	Ile	Leu	Gln	Gln	Pro	Leu	Ala	Leu	Gly	Tyr	Phe	Val
	610					615					620				
Ser	Thr	Ala	Lys	Ala	Gly	Pro	Leu	Pro	Asp	Trp	Phe	Trp	Ser	Ala	Cys
625					630					635					640
Pro	Gln	Ala	Gln	Tyr	Gln	Cys	Pro	Leu	Phe	Leu	Lys	Ala	Ser	Leu	His
				645					650					655	
Leu	His	Val	Pro	Ser	Val	Gln	Ser	Asp	Glu	Leu	Leu	His	Ser	Lys	His
			660					665					670		
Ser	His	Pro	Leu	Asp	Ser	Asn	Gln	Thr	Ser	Asp	Val	Leu	Arg	Phe	Val
		675					680					685			
Leu	Glu	Gln	Tyr	Asn	Ala	Leu	Ser	Trp	Leu	Thr	Cys	Asp	Pro	Ala	Thr
	690					695					700				
Gln	Asp	Arg	Arg	Ser	Cys	Leu	Pro	Ile	His	Phe	Val	Val	Leu	Asn	Gln
705					710					715					720
Leu	Tyr	Asn	Phe	Ile	Met	Asn	Met	Leu							
				725											

<210> 6355

<211> 552

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

5585

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6355

Val	Ser	Leu	Thr	Arg	Arg	Glu	Gly	Thr	Gly	Pro	Arg	Pro	Arg	Ala	Ala	1	5	10	15
Gly	Ala	Gly	Ala	Arg	His	Val	His	Arg	Leu	Gly	Arg	Glu	Val	Ala	Ile	20	25	30	
Ala	Glu	Arg	Gln	Glu	Gly	Arg	Gly	Gly	Pro	Gly	Arg	Arg	Pro	Xaa	Val	35	40	45	
Gly	Arg	Arg	Trp	Gly	Arg	Pro	Ala	Arg	Leu	His	Leu	Arg	Ala	His	Gly	50	55	60	
Pro	Arg	Pro	Ser	Val	Arg	Thr	Gly	Leu	Pro	Ser	Val	Gly	Arg	Gln	Ala	65	70	75	80
Ala	Gly	Ala	Ala	Met	Gly	Arg	Gly	Trp	Gly	Phe	Leu	Phe	Gly	Leu	Leu	85	90	95	
Gly	Ala	Val	Trp	Leu	Leu	Ser	Ser	Gly	His	Gly	Glu	Glu	Gln	Pro	Pro	100	105	110	
Glu	Thr	Ala	Ala	Gln	Arg	Cys	Phe	Cys	Gln	Val	Ser	Gly	Tyr	Leu	Asp	115	120	125	
Asp	Cys	Thr	Cys	Asp	Val	Glu	Thr	Ile	Asp	Arg	Phe	Asn	Asn	Tyr	Arg	130	135	140	
Leu	Phe	Pro	Arg	Leu	Gln	Lys	Leu	Leu	Glu	Ser	Asp	Tyr	Phe	Arg	Tyr	145	150	155	160
Tyr	Lys	Val	Asn	Leu	Lys	Arg	Pro	Cys	Pro	Phe	Trp	Asn	Asp	Ile	Ser	165	170	175	
Gln	Cys	Gly	Arg	Arg	Asp	Cys	Ala	Val	Lys	Pro	Cys	Gln	Ser	Asp	Glu	180	185	190	
Val	Pro	Asp	Gly	Ile	Lys	Ser	Ala	Ser	Tyr	Lys	Tyr	Ser	Glu	Glu	Ala	195	200	205	
Asn	Asn	Leu	Ile	Glu	Glu	Cys	Glu	Gln	Ala	Glu	Arg	Leu	Gly	Ala	Val	210	215	220	
Asp	Glu	Ser	Leu	Ser	Glu	Glu	Thr	Gln	Lys	Ala	Val	Leu	Gln	Trp	Thr	225	230	235	240
Lys	His	Asp	Asp	Ser	Ser	Asp	Asn	Phe	Cys	Glu	Ala	Asp	Asp	Ile	Gln	245	250	255	

5586

Ser	Pro	Glu	Ala	Glu	Tyr	Val	Asp	Leu	Leu	Leu	Asn	Pro	Glu	Arg	Tyr	260	265	270	
Thr	Gly	Tyr	Lys	Gly	Pro	Asp	Ala	Trp	Lys	Ile	Trp	Asn	Val	Ile	Tyr	275	280	285	
Glu	Glu	Asn	Cys	Phe	Lys	Pro	Gln	Thr	Ile	Lys	Arg	Pro	Leu	Asn	Pro	290	295	300	
Leu	Ala	Ser	Gly	Gln	Gly	Thr	Ser	Glu	Glu	Asn	Thr	Phe	Tyr	Ser	Trp	305	310	315	320
Leu	Glu	Gly	Leu	Cys	Val	Glu	Lys	Arg	Ala	Phe	Tyr	Arg	Leu	Ile	Ser	325	330	335	
Gly	Leu	His	Ala	Ser	Ile	Asn	Val	His	Leu	Ser	Ala	Arg	Tyr	Leu	Leu	340	345	350	
Gln	Glu	Thr	Trp	Leu	Glu	Lys	Lys	Trp	Gly	His	Asn	Ile	Thr	Glu	Phe	355	360	365	
Gln	Gln	Arg	Phe	Asp	Gly	Ile	Leu	Thr	Glu	Gly	Glu	Gly	Pro	Arg	Arg	370	375	380	
Leu	Lys	Asn	Leu	Tyr	Phe	Leu	Tyr	Leu	Ile	Glu	Leu	Arg	Ala	Leu	Ser	385	390	395	400
Lys	Val	Leu	Pro	Phe	Phe	Glu	Arg	Pro	Asp	Phe	Gln	Leu	Phe	Thr	Gly	405	410	415	
Asn	Lys	Ile	Gln	Asp	Glu	Glu	Asn	Lys	Met	Leu	Leu	Leu	Glu	Ile	Leu	420	425	430	
His	Glu	Ile	Lys	Ser	Phe	Pro	Leu	His	Phe	Asp	Glu	Asn	Ser	Phe	Phe	435	440	445	
Ala	Gly	Asp	Lys	Lys	Glu	Ala	His	Lys	Leu	Lys	Glu	Asp	Phe	Arg	Leu	450	455	460	
His	Phe	Arg	Asn	Ile	Ser	Arg	Ile	Met	Asp	Cys	Val	Gly	Cys	Phe	Lys	465	470	475	480
Cys	Arg	Leu	Trp	Gly	Lys	Leu	Gln	Thr	Gln	Gly	Leu	Gly	Thr	Ala	Leu	485	490	495	
Lys	Ile	Leu	Phe	Ser	Glu	Lys	Leu	Ile	Ala	Asn	Met	Pro	Glu	Ser	Gly	500	505	510	
Pro	Ser	Tyr	Glu	Phe	His	Leu	Thr	Arg	Gln	Glu	Ile	Val	Ser	Leu	Phe	515	520	525	

5587

Asn Ala Phe Gly Arg Ile Ser Thr Ser Val Lys Glu Leu Glu Asn Phe
 530 535 540

Arg Asn Leu Leu Gln Asn Ile His
 545 550

<210> 6356

<211> 481

<212> PRT

<213> Homo sapiens

<400> 6356

Ala Thr Asn Arg Val Val Ala Pro Thr Pro Gly Pro Gly Thr Pro Ala
 1 5 10 15

Glu Arg His Ala Asp Gly Leu Ala Leu Ala Leu Glu Pro Ala Leu Ala
 20 25 30

Ser Pro Ala Gly Ala Ala Asn Phe Leu Ala Met Val Asp Asn Leu Gln
 35 40 45

Gly Asp Ser Gly Arg Gly Tyr Tyr Leu Glu Met Leu Ile Gly Thr Pro
 50 55 60

Pro Gln Lys Leu Gln Ile Leu Val Asp Thr Gly Ser Ser Asn Phe Ala
 65 70 75 80

Val Ala Gly Thr Pro His Ser Tyr Ile Asp Thr Tyr Phe Asp Thr Glu
 85 90 95

Arg Ser Ser Thr Tyr Arg Ser Lys Gly Phe Asp Val Thr Val Lys Tyr
 100 105 110

Thr Gln Gly Ser Trp Thr Gly Phe Val Gly Glu Asp Leu Val Thr Ile
 115 120 125

Pro Lys Gly Phe Asn Thr Ser Phe Leu Val Asn Ile Ala Thr Ile Phe
 130 135 140

Glu Ser Glu Asn Phe Phe Leu Pro Gly Ile Lys Trp Asn Gly Ile Leu
 145 150 155 160

Gly Leu Ala Tyr Ala Thr Leu Ala Lys Pro Ser Ser Ser Leu Glu Thr
 165 170 175

Phe Phe Asp Ser Leu Val Thr Gln Ala Asn Ile Pro Asn Val Phe Ser
 180 185 190

Met Gln Met Cys Gly Ala Gly Leu Pro Val Ala Gly Ser Gly Thr Asn

5588

195		200		205
Gly Gly Ser Leu Val Leu Gly Gly Ile Glu Pro Ser Leu Tyr Lys Gly				
210		215		220
Asp Ile Trp Tyr Thr Pro Ile Lys Glu Glu Trp Tyr Tyr Gln Ile Glu				
225		230		235
Ile Leu Lys Leu Glu Ile Gly Gly Gln Ser Leu Asn Leu Asp Cys Arg				
		245		250
Glu Tyr Asn Ala Asp Lys Ala Ile Val Asp Ser Gly Thr Thr Leu Leu				
		260		265
Arg Leu Pro Gln Lys Val Phe Asp Ala Val Val Glu Ala Val Ala Arg				
		275		280
Ala Ser Leu Ile Pro Glu Phe Ser Asp Gly Phe Trp Thr Gly Ser Gln				
		290		295
Leu Ala Cys Trp Thr Asn Ser Glu Thr Pro Trp Ser Tyr Phe Pro Lys				
		305		310
Ile Ser Ile Tyr Leu Arg Asp Glu Asn Ser Ser Arg Ser Phe Arg Ile				
		325		330
Thr Ile Leu Pro Gln Leu Tyr Ile Gln Pro Met Met Gly Ala Gly Leu				
		340		345
Asn Tyr Glu Cys Tyr Arg Phe Gly Ile Ser Pro Ser Thr Asn Ala Leu				
		355		360
Val Ile Gly Ala Thr Val Met Glu Gly Phe Tyr Val Ile Phe Asp Arg				
		370		375
Ala Gln Lys Arg Val Gly Phe Ala Ala Ser Pro Cys Ala Glu Ile Ala				
		385		390
Gly Ala Ala Val Ser Glu Ile Ser Gly Pro Phe Ser Thr Glu Asp Val				
		405		410
Ala Ser Asn Cys Val Pro Ala Gln Ser Leu Ser Glu Pro Ile Leu Trp				
		420		425
Ile Val Ser Tyr Ala Leu Met Ser Val Cys Gly Ala Ile Leu Leu Val				
		435		440
Leu Ile Val Leu Leu Leu Leu Pro Phe Arg Cys Gln Arg Arg Pro Arg				
		450		455
Asp Pro Glu Val Val Asn Asp Glu Ser Ser Leu Val Arg His Arg Trp				

5589

465

470

475

480

Lys

<210> 6357

<211> 441

<212> PRT

<213> Homo sapiens

<400> 6357

Gly	Gly	Ser	Trp	Cys	Arg	Ser	Ser	Pro	Gly	Arg	Asp	Gly	Ser	Pro	Gly
1				5					10					15	

Ala	Lys	Gly	Asp	Arg	Gly	Glu	Thr	Gly	Pro	Ala	Gly	Pro	Pro	Gly	Ala
			20					25					30		

Pro	Gly	Ala	Pro	Gly	Ala	Pro	Gly	Pro	Val	Gly	Pro	Ala	Gly	Lys	Ser
		35					40					45			

Gly	Asp	Arg	Gly	Glu	Thr	Gly	Pro	Ala	Gly	Pro	Ala	Gly	Pro	Val	Gly
	50					55					60				

Pro	Val	Gly	Ala	Arg	Gly	Pro	Ala	Gly	Pro	Gln	Gly	Pro	Arg	Gly	Asp
65					70					75					80

Lys	Gly	Glu	Thr	Gly	Glu	Gln	Gly	Asp	Arg	Gly	Ile	Lys	Gly	His	Arg
				85					90					95	

Gly	Phe	Ser	Gly	Leu	Gln	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Ser	Pro	Gly
			100					105					110		

Glu	Gln	Gly	Pro	Ser	Gly	Ala	Ser	Gly	Pro	Ala	Gly	Pro	Arg	Gly	Pro
		115						120				125			

Pro	Gly	Ser	Ala	Gly	Ala	Pro	Gly	Lys	Asp	Gly	Leu	Asn	Gly	Leu	Pro
	130						135				140				

Gly	Pro	Ile	Gly	Pro	Pro	Gly	Pro	Arg	Gly	Arg	Thr	Gly	Asp	Ala	Gly
145					150					155					160

Pro	Val	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro
				165					170					175	

Pro	Ser	Ala	Gly	Phe	Asp	Phe	Ser	Phe	Leu	Pro	Gln	Pro	Pro	Gln	Glu
			180					185						190	

Lys	Ala	His	Asp	Gly	Gly	Arg	Tyr	Tyr	Arg	Ala	Asp	Asp	Ala	Asn	Val
		195					200					205			

5590

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Val Arg Asp Arg Asp Leu Glu Val Asp Thr Thr Leu Lys Ser Leu Ser
 210                      215                      220

Gln Gln Ile Glu Asn Ile Arg Ser Pro Glu Gly Ser Arg Lys Asn Pro
 225                      230                      235                      240

Ala Arg Thr Cys Arg Asp Leu Lys Met Cys His Ser Asp Trp Lys Ser
                      245                      250                      255

Gly Glu Tyr Trp Ile Asp Pro Asn Gln Gly Cys Asn Leu Asp Ala Ile
                      260                      265                      270

Lys Val Phe Cys Asn Met Glu Thr Gly Glu Thr Cys Val Tyr Pro Thr
                      275                      280                      285

Gln Pro Ser Val Ala Gln Lys Asn Trp Tyr Ile Ser Lys Asn Pro Lys
 290                      295                      300

Asp Lys Arg His Val Trp Phe Gly Glu Ser Met Thr Asp Gly Phe Gln
 305                      310                      315                      320

Phe Glu Tyr Gly Gly Gln Gly Ser Asp Pro Ala Asp Val Ala Ile Gln
                      325                      330                      335

Leu Thr Phe Leu Arg Leu Met Ser Thr Glu Ala Ser Gln Asn Ile Thr
                      340                      345                      350

Tyr His Cys Lys Asn Ser Val Ala Tyr Met Asp Gln Gln Thr Gly Asn
                      355                      360                      365

Leu Lys Lys Ala Leu Leu Leu Gln Gly Ser Asn Glu Ile Glu Ile Arg
 370                      375                      380

Ala Glu Gly Asn Ser Arg Phe Thr Tyr Ser Val Thr Val Asp Gly Cys
 385                      390                      395                      400

Thr Ser His Thr Gly Ala Trp Gly Lys Thr Val Ile Glu Tyr Lys Thr
                      405                      410                      415

Thr Lys Thr Ser Arg Leu Pro Ile Ile Asp Val Ala Pro Leu Asp Val
                      420                      425                      430

Gly Ala Pro Asp Gln Glu Phe Gly Phe
 435                      440

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<210> 6358

<211> 458

<212> PRT

5591

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6358

Arg	Arg	Ser	Pro	Leu	Thr	Ala	Pro	Leu	Thr	Thr	Thr	Asn	Pro	Tyr	Ser
1				5				10						15	

Thr	Arg	Leu	Val	Cys	Pro	Thr	Leu	Gly	Asp	Ala	Glu	Pro	Gln	Pro	Arg
			20					25					30		

Pro	Arg	Pro	Lys	His	Ser	Phe	Asn	Trp	Tyr	Cys	Gly	Xaa	Arg	Gly	Phe
			35				40					45			

Cys	Leu	Leu	Gln	Leu	Ala	Pro	Ala	Ala	Gly	Arg	Ser	Cys	Asp	Ser	Ala
	50					55					60				

Glu	Ser	Arg	Arg	Arg	Val	Leu	Val	Leu	Thr	Arg	Arg	Ala	Met	Thr	Val
65					70					75					80

Ala	Arg	Pro	Ser	Val	Pro	Ala	Ala	Leu	Pro	Leu	Leu	Gly	Glu	Leu	Pro
				85					90					95	

Arg	Leu	Leu	Leu	Leu	Val	Leu	Leu	Cys	Leu	Pro	Ala	Val	Trp	Gly	Asp
			100					105					110		

Cys	Gly	Leu	Pro	Pro	Asp	Val	Pro	Asn	Ala	Gln	Pro	Ala	Leu	Glu	Gly
		115						120				125			

Arg	Thr	Ser	Phe	Pro	Glu	Asp	Thr	Val	Ile	Thr	Tyr	Lys	Cys	Glu	Glu
	130					135					140				

Ser	Phe	Val	Lys	Ile	Pro	Gly	Glu	Lys	Asp	Ser	Val	Ile	Cys	Leu	Lys
145					150					155					160

Gly	Ser	Gln	Trp	Ser	Asp	Ile	Glu	Glu	Phe	Cys	Asn	Arg	Ser	Cys	Glu
				165					170					175	

Val	Pro	Thr	Arg	Leu	Asn	Ser	Ala	Ser	Leu	Lys	Gln	Pro	Tyr	Ile	Thr
			180					185					190		

Gln	Asn	Tyr	Phe	Pro	Val	Gly	Thr	Val	Val	Glu	Tyr	Glu	Cys	Arg	Pro
		195					200					205			

Gly	Tyr	Arg	Arg	Glu	Pro	Ser	Leu	Ser	Pro	Lys	Leu	Thr	Cys	Leu	Gln
	210					215					220				

Asn	Leu	Lys	Trp	Ser	Thr	Ala	Val	Glu	Phe	Cys	Lys	Lys	Lys	Ser	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5592

225					230						235					240
Pro	Asn	Pro	Gly	Glu	Ile	Arg	Asn	Gly	Gln	Ile	Asp	Val	Pro	Gly	Gly	
				245					250					255		
Ile	Leu	Phe	Gly	Ala	Thr	Ile	Ser	Phe	Ser	Cys	Asn	Thr	Gly	Tyr	Lys	
			260					265					270			
Leu	Phe	Gly	Ser	Thr	Ser	Ser	Phe	Cys	Leu	Ile	Ser	Gly	Ser	Ser	Val	
		275					280					285				
Gln	Trp	Ser	Asp	Pro	Leu	Pro	Glu	Cys	Arg	Glu	Ile	Tyr	Cys	Pro	Ala	
	290					295					300					
Pro	Pro	Gln	Ile	Asp	Asn	Gly	Ile	Ile	Gln	Gly	Glu	Arg	Asp	His	Tyr	
305					310				315					320		
Gly	Tyr	Arg	Gln	Ser	Val	Thr	Tyr	Ala	Cys	Asn	Lys	Gly	Phe	Thr	Met	
				325					330					335		
Ile	Gly	Glu	His	Ser	Ile	Tyr	Cys	Thr	Val	Asn	Asn	Asp	Glu	Gly	Glu	
			340					345					350			
Trp	Ser	Gly	Pro	Pro	Pro	Glu	Cys	Arg	Gly	Lys	Ser	Leu	Thr	Ser	Lys	
		355					360					365				
Val	Pro	Pro	Thr	Val	Gln	Lys	Pro	Thr	Thr	Val	Asn	Val	Pro	Thr	Thr	
	370					375					380					
Glu	Val	Ser	Pro	Thr	Ser	Gln	Lys	Thr	Thr	Thr	Lys	Thr	Thr	Thr	Pro	
385					390					395					400	
Asn	Ala	Gln	Ala	Thr	Arg	Ser	Thr	Pro	Val	Ser	Arg	Thr	Thr	Lys	His	
				405					410					415		
Phe	His	Glu	Thr	Thr	Pro	Asn	Lys	Gly	Ser	Gly	Thr	Thr	Ser	Gly	Thr	
			420					425					430			
Thr	Arg	Leu	Leu	Ser	Gly	His	Thr	Cys	Phe	Thr	Leu	Thr	Gly	Leu	Leu	
		435					440					445				
Gly	Thr	Leu	Val	Thr	Met	Gly	Leu	Leu	Thr							
	450					455										

<210> 6359

<211> 133

<212> PRT

<213> Homo sapiens

5593

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6359

Thr	Asn	His	Ala	Asn	Val	Asn	Glu	Gly	Xaa	Val	Pro	Xaa	Xaa	Met	Leu
1				5					10					15	

Val	Ala	Asn	Asp	Gln	Met	Ala	Leu	Gly	Ala	Met	Arg	Ala	Ile	Thr	Glu
			20					25					30		

Ser	Gly	Leu	Arg	Val	Gly	Ala	Asp	Ile	Ser	Val	Val	Gly	Tyr	Asp	Asp
		35					40					45			

Thr	Glu	Asp	Ser	Ser	Cys	Tyr	Ile	Pro	Pro	Leu	Thr	Thr	Ile	Lys	Gln
	50					55					60				

Asp	Phe	Arg	Leu	Leu	Gly	Gln	Thr	Ser	Val	Asp	Arg	Leu	Leu	Gln	Leu
65					70					75					80

Ser	Gln	Gly	Gln	Ala	Val	Lys	Gly	Asn	Gln	Leu	Leu	Pro	Val	Ser	Leu
				85					90					95	

Val	Lys	Arg	Lys	Thr	Thr	Leu	Ala	Pro	Asn	Thr	Gln	Thr	Ala	Ser	Pro
			100					105					110		

Arg	Ala	Leu	Ala	Asp	Ser	Leu	Met	Gln	Leu	Ala	Arg	Gln	Val	Ser	Arg
		115					120					125			

Leu	Glu	Ser	Gly	Gln
				130

<210> 6360

<211> 332

<212> PRT

<213> Homo sapiens

<220>

5594

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6360

Arg	Glu	Gln	Lys	Leu	Glu	Leu	His	Arg	Gly	Gly	Gly	Arg	Ser	Arg	Thr
1				5					10					15	

Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe	Gly	Thr	Ser	Arg	Ala	Pro	Ala
			20					25					30		

Ser	Cys	Pro	Ser	Arg	Gln	Glu	Glu	Trp	Gly	Leu	Thr	Ser	Thr	Ser	Val
		35					40					45			

Leu	Lys	Arg	Glu	Ala	Pro	Ala	Gly	Arg	Asp	Pro	Glu	Glu	Pro	Gly	Asp
	50					55					60				

Val	Gly	Ala	Gly	Asp	Pro	Asn	Ser	Asp	Gln	Gly	Leu	Pro	Val	Leu	Met
65					70					75					80

Thr	Gln	Gly	Thr	Glu	Asp	Leu	Lys	Gly	Pro	Gly	Gln	Arg	Cys	Glu	Asn
				85					90					95	

Glu	Pro	Leu	Leu	Asp	Pro	Val	Gly	Pro	Glu	Pro	Leu	Gly	Pro	Glu	Ser
			100					105					110		

Gln	Ser	Gly	Lys	Gly	Asp	Met	Val	Glu	Met	Ala	Thr	Arg	Phe	Gly	Ser
		115					120					125			

Thr	Leu	Gln	Leu	Asp	Leu	Glu	Lys	Gly	Lys	Glu	Ser	Leu	Leu	Glu	Lys
	130					135					140				

Arg	Leu	Val	Ala	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Glu	Val	Glu	Glu	Asp
145					150					155					160

Gly	Pro	Ser	Ser	Cys	Ser	Glu	Asp	Asp	Tyr	Ser	Glu	Leu	Leu	Gln	Glu
				165					170					175	

Ile	Thr	Asp	Asn	Leu	Thr	Lys	Lys	Glu	Ile	Gln	Ile	Glu	Lys	Ile	His
			180					185					190		

Leu	Asp	Thr	Ser	Ser	Phe	Xaa	Glu	Glu	Leu	Pro	Gly	Glu	Lys	Asp	Leu
		195					200					205			

Ala	His	Val	Val	Glu	Ile	Tyr	Asp	Phe	Glu	Pro	Ala	Leu	Lys	Thr	Glu
	210					215					220				

5595

Asp Leu Leu Ala Thr Phe Ser Glu Phe Gln Glu Lys Gly Phe Arg Ile
 225 230 235 240
 Gln Trp Val Asp Asp Thr His Ala Leu Gly Ile Phe Pro Cys Xaa Ala
 245 250 255
 Ser Ala Ala Glu Ala Leu Thr Arg Glu Phe Ser Val Leu Lys Ile Arg
 260 265 270
 Pro Leu Thr Gln Gly Thr Lys Gln Ser Lys Leu Lys Ala Leu Gln Arg
 275 280 285
 Pro Lys Leu Leu Arg Leu Val Lys Glu Arg Pro Gln Thr Asn Ala Thr
 290 295 300
 Val Ala Arg Arg Leu Val Ala Arg Ala Leu Gly Leu Gln His Lys Lys
 305 310 315 320
 Lys Glu Arg Pro Ala Val Arg Gly Pro Leu Pro Pro
 325 330

<210> 6361

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6361

Pro Gly Arg Gly Phe Gln Arg Phe Phe Lys Ala Val Glu Pro Lys Trp
 1 5 10 15

Asp Leu Lys Thr Asp Trp Gln Ile Ile Ser Glu Ile Ala Thr Arg Met
 20 25 30

Gly Tyr Pro Met His Tyr Asn Asn Thr Gln Glu Ile Trp Asp Glu Leu
 35 40 45

Arg His Leu Cys Pro Asp Phe Tyr Gly Ala Thr Tyr Glu Lys Met Gly
 50 55 60

Glu Leu Gly Phe Ile Gln Trp Pro Cys Arg Asp Thr Ser Asp Ala Asp
 65 70 75 80

Gln Gly Thr Ser Tyr Leu Phe Lys Glu Lys Phe Asp Thr Pro Asn Gly

5596

	85		90		95
Leu Ala Gln Phe Phe Thr Cys Asp Trp Val Ala Pro Ile Asp Lys Leu					
	100		105		110
Thr Asp Glu Tyr Pro Met Val Leu Ser Thr Val Arg Glu Val Gly His					
	115		120		125
Tyr Ser Cys Arg Ser Met Thr Gly Asn Cys Ala Xaa Leu Ala Ala Leu					
	130		135		140
Ala Asp Glu Pro Gly Tyr Ala Gln Ile Asn Thr Glu Asp Ala Lys Arg					
	145		150		155
Leu Gly Ile Glu Asp Glu Ala Leu Val Trp Val His Ser Arg Lys Gly					
	165		170		175
Lys Ile Ile Thr Arg Ala Gln Val Ser Asp Arg Pro Asn Lys Gly Ala					
	180		185		190
Ile Tyr Met Thr Tyr Gln Trp Trp Ile Gly Ala Cys Asn Glu Leu Val					
	195		200		205
Thr Glu Asn Leu Ser Pro Ile Thr Lys Thr Pro Glu Tyr Lys Tyr Cys					
	210		215		220
Ala Val Arg Val Glu Pro Ile Ala Asp Gln Arg Ala Ala Glu Gln Tyr					
	225		230		235
Val Ile Asp Glu Tyr Asn Lys Leu Lys Thr Arg Leu Arg Glu Ala Ala					
	245		250		255
Leu Ala					

<210> 6362

<211> 38

<212> PRT

<213> Homo sapiens

<400> 6362

Phe Cys Ile Phe Leu Val Glu Thr Gly Phe Leu His Val Gly Gln Gly					
1		5		10	15
Ser Pro Glu Leu Leu Thr Ser Ser Asp Leu Pro Ala Ser Ala Ser Gln					
	20		25		30
Val Leu Gly Leu Gln Ala					
	35				

5597

<210> 6363

<211> 232

<212> PRT

<213> Homo sapiens

<400> 6363

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Leu Pro Val Pro Gly Arg Gly Arg Val Phe Phe Glu Asp Leu Gly Leu
 1              5              10              15

Arg Asp Thr Val Arg Met Ala Val Val Pro Leu Leu Leu Leu Gly Gly
          20              25              30

Leu Trp Ser Ala Val Gly Ala Ser Ser Leu Gly Val Val Thr Cys Gly
          35              40              45

Ser Val Val Lys Leu Leu Asn Thr Arg His Asn Val Arg Leu His Ser
          50              55              60

His Asp Val Arg Tyr Gly Ser Gly Ser Gly Gln Gln Ser Val Thr Gly
 65              70              75              80

Val Thr Ser Val Asp Asp Ser Asn Ser Tyr Trp Arg Ile Arg Gly Lys
          85              90              95

Ser Ala Thr Val Cys Glu Arg Gly Thr Pro Ile Lys Cys Gly Gln Pro
          100              105              110

Ile Arg Leu Thr His Val Asn Thr Gly Arg Asn Leu His Ser His His
          115              120              125

Phe Thr Ser Pro Leu Ser Gly Asn Gln Glu Val Ser Ala Phe Gly Glu
          130              135              140

Glu Gly Glu Gly Asp Tyr Leu Asp Asp Trp Thr Val Leu Cys Asn Gly
          145              150              155              160

Pro Tyr Trp Val Arg Asp Gly Glu Val Arg Phe Lys His Ser Ser Thr
          165              170              175

Glu Val Leu Leu Ser Val Thr Gly Glu Gln Tyr Gly Arg Pro Ile Ser
          180              185              190

Gly Gln Lys Glu Val His Gly Met Ala Gln Pro Ser Gln Asn Asn Tyr
          195              200              205

Trp Lys Ala Met Glu Gly Ile Phe Met Lys Pro Ser Glu Leu Leu Lys
          210              215              220

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5598

Ala Glu Ala His His Ala Glu Leu
 225 230

<210> 6364

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6364

Lys Asp Lys Pro Gln Thr Arg Arg Lys Tyr Leu Ser Asn Thr Ser Tyr
 1 5 10 15

Lys Gly Leu Val Ser Lys Ile Tyr Gln Glu Leu Leu Xaa His Asn Lys
 20 25 30

Glu Lys Ile Leu Lys Xaa Ser Lys Lys Ser Xaa Xaa Met Tyr His Gln
 35 40 45

Arg

<210> 6365

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6365

5599

Glu Phe Gly Thr Ser Gly Tyr Ile Phe Leu His Leu Gln Leu Pro His
 1 5 10 15
 Gly Val Leu Ile Arg Leu Lys Ser Asn Asn Gly Tyr Lys Asn Thr Leu
 20 25 30
 Lys Ser Arg His Gly Phe Leu Leu Thr Ala Met Arg Glu Phe Leu Glu
 35 40 45
 Leu Asp Leu Asp Gly Pro Lys Gln Leu Glu Asn Trp Thr Lys Asp Ile
 50 55 60
 Lys Lys Lys Leu Phe Ser Thr Ile Gly Gln
 65 70

<210> 6366

<211> 129

<212> PRT

<213> Homo sapiens

<400> 6366

Gly Arg Gly Lys Ser Gly Pro Gly Leu Pro Gln Ser Cys Leu Leu Cys
 1 5 10 15
 Ala Val Asn Gly Phe Asn Thr Leu Gly Glu Asn Ile Ala Asp Asn Gly
 20 25 30
 Gly Val Arg Gln Ala Tyr Lys Ala Tyr Leu Lys Trp Met Ala Glu Gly
 35 40 45
 Gly Lys Asp Gln Gln Leu Pro Gly Leu Asp Leu Thr His Glu Gln Leu
 50 55 60
 Phe Phe Ile Asn Tyr Ala Gln Val Trp Cys Gly Ser Tyr Arg Pro Glu
 65 70 75 80
 Phe Ala Ile Gln Ser Ile Lys Thr Asp Val His Ser Pro Leu Lys Tyr
 85 90 95
 Arg Val Leu Gly Ser Leu Gln Asn Leu Ala Ala Phe Ala Asp Thr Phe
 100 105 110
 His Cys Ala Arg Gly Thr Pro Met His Pro Lys Glu Arg Cys Arg Val
 115 120 125
 Trp

5600

<210> 6367

<211> 469

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6367

Pro	Val	Ala	Val	Gly	Arg	Val	Arg	Val	Thr	Ala	Glu	Gly	Arg	Xaa	Met
1				5					10					15	

Val	Leu	Gln	Thr	Thr	Lys	Gly	Leu	Arg	Leu	Leu	Phe	Asp	Gly	Asp	Ala
			20					25					30		

His	Leu	Leu	Met	Ser	Ile	Pro	Ser	Pro	Phe	Arg	Gly	Arg	Leu	Cys	Gly
		35					40					45			

Leu	Cys	Gly	Asn	Phe	Asn	Gly	Asn	Trp	Ser	Asp	Asp	Phe	Val	Leu	Pro
	50					55					60				

Asn	Gly	Ser	Ala	Ala	Ser	Ser	Val	Glu	Thr	Phe	Gly	Ala	Ala	Trp	Arg
65					70					75					80

Xaa	Pro	Gly	Ser	Ser	Lys	Gly	Cys	Gly	Glu	Gly	Cys	Gly	Pro	Gln	Gly
				85					90					95	

Cys	Pro	Val	Cys	Leu	Ala	Glu	Glu	Thr	Ala	Pro	Tyr	Glu	Ser	Asn	Glu
			100					105					110		

Ala	Cys	Gly	Gln	Leu	Arg	Asn	Pro	Gln	Gly	Pro	Phe	Ala	Thr	Cys	Gln
		115					120					125			

Ala	Val	Leu	Ser	Pro	Ser	Glu	Tyr	Phe	Arg	Gln	Cys	Val	Tyr	Asp	Leu
		130				135					140				

Cys	Ala	Gln	Lys	Gly	Asp	Lys	Ala	Phe	Leu	Cys	Arg	Ser	Leu	Ala	Ala
145					150					155					160

Tyr	Thr	Ala	Ala	Cys	Gln	Ala	Ala	Gly	Val	Ala	Val	Lys	Pro	Trp	Arg
				165					170					175	

Thr	Asp	Ser	Phe	Cys	Pro	Leu	His	Cys	Pro	Ala	His	Ser	His	Tyr	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5601

180	185	190
Ile Cys Thr Arg Thr Cys Gln Gly Ser Cys Ala Ala Leu Ser Gly Leu		
195	200	205
Thr Gly Cys Thr Thr Arg Cys Phe Glu Gly Cys Glu Cys Asp Asp Arg		
210	215	220
Phe Leu Leu Ser Gln Gly Val Cys Ile Pro Val Gln Asp Cys Gly Cys		
225	230	235
Thr His Asn Gly Arg Tyr Leu Pro Val Asn Ser Ser Leu Leu Thr Ser		
	245	250
Asp Cys Ser Glu Arg Cys Ser Cys Ser Ser Ser Ser Gly Leu Thr Cys		
	260	265
Gln Ala Ala Gly Cys Pro Pro Gly Arg Val Cys Glu Val Lys Ala Glu		
	275	280
Ala Arg Asn Cys Trp Ala Thr Arg Gly Leu Cys Val Leu Ser Val Gly		
	290	300
Ala Asn Leu Thr Thr Phe Asp Gly Ala Arg Gly Ala Thr Thr Ser Pro		
305	310	315
Gly Val Tyr Glu Leu Ser Ser Arg Cys Pro Gly Leu Gln Asn Thr Ile		
	325	330
Pro Trp Tyr Arg Val Val Ala Glu Val Gln Ile Cys His Gly Lys Thr		
	340	345
Glu Ala Val Gly Gln Val His Ile Phe Phe Gln Asp Gly Met Val Thr		
	355	360
Leu Thr Pro Asn Lys Gly Val Trp Val Asn Gly Leu Arg Val Asp Leu		
	370	380
Pro Ala Glu Lys Leu Ala Ser Val Ser Val Ser Arg Thr Pro Asp Gly		
385	390	395
Ser Leu Leu Val Arg Gln Lys Ala Gly Val Gln Val Trp Leu Gly Ala		
	405	410
Asn Gly Lys Val Ala Val Ile Val Ser Asn Asp His Ala Gly Lys Leu		
	420	425
Cys Gly Ala Cys Gly Asn Phe Asp Gly Asp Gln Thr Asn Asp Trp His		
	435	440
Asp Ser Gln Glu Lys Pro Ala Met Glu Lys Trp Arg Ala Gln Asp Phe		

5602

450

455

460

Ser Pro Cys Tyr Gly

465

<210> 6368

<211> 705

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (244)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6368

Arg	Glu	Gln	Lys	Leu	Glu	Leu	His	Arg	Gly	Gly	Gly	Arg	Ser	Arg	Thr
1				5					10					15	

Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe	Gly	Thr	Ser	Asn	Cys	Asn	Leu
			20					25					30		

Glu	Asp	Leu	Asp	Asn	Trp	Thr	Ala	Leu	Ile	Ser	Ala	Ser	Lys	Glu	Gly
		35					40					45			

His	Val	His	Ile	Val	Glu	Glu	Leu	Leu	Lys	Cys	Gly	Val	Asn	Leu	Glu
	50					55					60				

His	Arg	Asp	Met	Gly	Gly	Trp	Thr	Ala	Leu	Met	Trp	Ala	Cys	Tyr	Lys
65					70					75					80

Gly	Arg	Thr	Asp	Val	Val	Glu	Leu	Leu	Leu	Ser	His	Gly	Ala	Asn	Pro
				85					90					95	

Ser	Val	Thr	Gly	Leu	Tyr	Ser	Val	Tyr	Pro	Ile	Ile	Trp	Ala	Ala	Gly
			100					105					110		

Arg	Gly	His	Ala	Asp	Ile	Val	His	Leu	Leu	Leu	Gln	Asn	Gly	Ala	Lys
		115					120					125			

Val	Asn	Cys	Ser	Asp	Lys	Tyr	Gly	Thr	Thr	Pro	Leu	Val	Trp	Ala	Ala
	130					135					140				

Arg	Lys	Gly	His	Leu	Glu	Cys	Val	Lys	His	Leu	Leu	Ala	Met	Gly	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5603

145		150		155		160
Asp Val Asp Gln Glu Gly Ala Asn Ser Met Thr Ala Leu Ile Val Ala						
		165		170		175
Val Lys Gly Gly Tyr Thr Gln Ser Val Lys Glu Ile Leu Lys Arg Asn						
		180		185		190
Pro Asn Val Asn Leu Thr Asp Lys Asp Gly Asn Thr Ala Leu Met Ile						
		195		200		205
Ala Ser Lys Glu Gly His Thr Glu Ile Val Gln Asp Leu Leu Asp Ala						
		210		215		220
Gly Thr Tyr Val Asn Ile Pro Asp Arg Ser Gly Asp Thr Val Leu Ile						
225			230		235	240
Gly Ala Val Xaa Gly Gly His Val Glu Ile Val Arg Ala Leu Leu Gln						
		245		250		255
Lys Tyr Ala Asp Ile Asp Ile Arg Gly Gln Asp Asn Lys Thr Ala Leu						
		260		265		270
Tyr Trp Ala Val Glu Lys Gly Asn Ala Thr Met Val Arg Asp Ile Leu						
		275		280		285
Gln Cys Asn Pro Asp Thr Glu Ile Cys Thr Lys Asp Gly Glu Thr Pro						
		290		295		300
Leu Ile Lys Ala Thr Lys Met Arg Asn Ile Glu Val Val Glu Leu Leu						
305			310		315	320
Leu Asp Lys Gly Ala Lys Val Ser Ala Val Asp Lys Lys Gly Asp Thr						
		325		330		335
Xaa Leu His Ile Ala Ile Arg Gly Arg Ser Arg Lys Leu Ala Glu Leu						
		340		345		350
Leu Leu Arg Asn Pro Lys Asp Gly Arg Leu Leu Tyr Arg Pro Asn Lys						
		355		360		365
Ala Gly Glu Thr Pro Tyr Asn Ile Asp Cys Ser His Gln Lys Ser Ile						
		370		375		380
Leu Thr Gln Ile Phe Gly Ala Arg His Leu Ser Pro Thr Glu Thr Asp						
385			390		395	400
Gly Asp Met Leu Gly Tyr Asp Leu Tyr Ser Ser Ala Leu Ala Asp Ile						
		405		410		415
Leu Ser Glu Pro Thr Met Gln Pro Pro Ile Cys Val Gly Leu Tyr Ala						

5604

420	425	430
Gln Trp Gly Ser Gly Lys Ser Phe Leu Leu Lys Lys Leu Glu Asp Glu		
435	440	445
Met Lys Thr Phe Ala Gly Gln Gln Ile Glu Pro Leu Phe Gln Phe Ser		
450	455	460
Trp Leu Ile Val Phe Leu Thr Leu Leu Leu Cys Gly Gly Leu Gly Leu		
465	470	475
Leu Phe Ala Phe Thr Val His Pro Asn Leu Gly Ile Ala Val Ser Leu		
485	490	495
Ser Phe Leu Ala Leu Leu Tyr Ile Phe Phe Ile Val Ile Tyr Phe Gly		
500	505	510
Gly Arg Arg Glu Gly Glu Ser Trp Asn Trp Ala Trp Val Leu Ser Thr		
515	520	525
Arg Leu Ala Arg His Ile Gly Tyr Leu Glu Leu Leu Leu Lys Leu Met		
530	535	540
Phe Val Asn Pro Pro Glu Leu Pro Glu Gln Thr Thr Lys Ala Leu Pro		
545	550	555
Val Arg Phe Leu Phe Thr Asp Tyr Asn Arg Leu Ser Ser Val Gly Gly		
565	570	575
Glu Thr Ser Leu Ala Glu Met Ile Ala Thr Leu Ser Asp Ala Cys Glu		
580	585	590
Arg Glu Phe Gly Phe Leu Ala Thr Arg Leu Phe Arg Val Phe Lys Thr		
595	600	605
Glu Asp Thr Gln Gly Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro		
610	615	620
Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val		
625	630	635
Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn		
645	650	655
Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu		
660	665	670
Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu		
675	680	685
Trp Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala Leu Asn Phe		

5605

690

695

700

Cys

705

<210> 6369

<211> 294

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (234)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (242)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (247)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (251)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (259)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (272)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (282)

<223> Xaa equals any of the naturally occurring L-amino acids

5606

<220>

<221> SITE

<222> (292)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6369

Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
 1 5 10 15

Pro Arg Val Arg Pro Ser Ser Trp Phe Ala His Gly His Pro Leu Tyr
 20 25 30

Thr Arg Leu Pro Pro Ser Ala Leu Gln Val Leu Ser Ala Gln Gly Thr
 35 40 45

Gln Ala Leu Gln Ala Ala Gln Arg Ser Ala Gln Trp Ala Ile Asn Arg
 50 55 60

Val Ala Met Glu Ile Gln His Arg Ser His Glu Cys Arg Gly Ser Gly
 65 70 75 80

Arg Pro Arg Pro Gln Ala Leu Leu Gln Asp Pro Pro Glu Pro Gly Pro
 85 90 95

Cys Gly Glu Arg Arg Pro Ser Thr Ala Asn Val Thr Arg Ala His Gly
 100 105 110

Arg Ile Val Gly Gly Ser Ala Ala Pro Pro Gly Ala Trp Pro Trp Leu
 115 120 125

Val Arg Leu Gln Leu Gly Gly Gln Pro Leu Cys Gly Gly Val Leu Val
 130 135 140

Ala Ala Ser Trp Val Leu Thr Ala Ala His Cys Phe Val Gly Ala Pro
 145 150 155 160

Asn Glu Leu Leu Trp Thr Val Thr Leu Ala Glu Gly Ser Arg Gly Glu
 165 170 175

Gln Ala Glu Glu Val Pro Val Asn Arg Ile Leu Pro His Pro Lys Phe
 180 185 190

Asp Pro Arg Thr Phe His Asn Asp Leu Ala Leu Val Gln Leu Trp Thr
 195 200 205

Pro Val Thr Arg Gly Asp Arg Arg Ala Pro Cys Ala Cys Pro Gly Ala
 210 215 220

Pro Gly Ala Pro Cys Arg Asn Arg Leu Xaa His Arg Gly Leu Gly Arg
 225 230 235 240

5607

[illegible]

<210> 6370

<211> 294

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (239)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6370

Leu Ser Phe Gly Pro Ser Gly Arg Thr Leu Pro Thr Thr Thr Arg Arg
1 5 10 15

Met Thr Leu Lys Thr Pro Trp Arg Ser Leu Gly Gly Ser Trp Cys Thr
20 25 30

Ala Thr Ser Ser Gly Pro Pro Gln Tyr Pro Met Ile Leu Ser Ser Leu
35 40 45

Leu Gly Ser Gly Ile Gln Leu Phe Cys Met Ile Leu Ile Val Ile Phe
50 55 60

Val	Ala	Met	Leu	Gly	Met	Leu	Ser	Pro	Ser	Ser	Arg	Gly	Ala	Leu	Met
65					70					75					80

Thr Thr Ala Cys Phe Leu Phe Met Phe Met Gly Val Phe Gly Gly Phe
85 90 95

Ser Ala Gly Arg Leu Tyr Arg Thr Leu Lys Gly His Arg Trp Lys Lys
100 105 110

Gly Ala Phe Cys Thr Ala Thr Leu Tyr Pro Gly Val Val Phe Gly Ile
115 120 125

Cys Phe Val Leu Asn Cys Phe Ile Trp Gly Lys His Ser Ser Gly Ala

5608

130		135		140
Val Pro Phe Pro Thr Met	Val Ala Leu Leu Cys Met Trp Phe Gly Ile			
145	150	155	160	
Ser Leu Pro Leu Val Tyr Leu Gly Tyr Tyr Phe Gly Phe Arg Lys Gln				
	165	170	175	
Pro Tyr Asp Asn Pro Val Arg Thr Asn Gln Ile Pro Arg Gln Ile Pro				
	180	185	190	
Glu Gln Arg Trp Tyr Met Asn Arg Phe Val Gly Ile Leu Met Ala Gly				
	195	200	205	
Ile Leu Pro Phe Gly Ala Met Phe Ile Glu Leu Phe Phe Ile Phe Ser				
	210	215	220	
Ala Ile Trp Glu Asn Gln Phe Tyr Tyr Leu Phe Gly Phe Leu Xaa Leu				
	225	230	235	240
Val Phe Ile Ile Leu Val Val Ser Cys Ser Gln Ile Ser Ile Val Met				
	245	250	255	
Val Tyr Phe Gln Leu Cys Ala Glu Asp Tyr Arg Trp Trp Trp Arg Asn				
	260	265	270	
Phe Leu Val Ser Gly Gly Ser Ala Phe Tyr Val Leu Val Tyr Ala Ile				
	275	280	285	
Phe Tyr Phe Val Asn Lys				
	290			

<210> 6371

<211> 944

<212> PRT

<213> Homo sapiens

<400> 6371

Ser Lys Lys Met Val Phe Leu Pro Leu Lys Trp Ser Leu Ala Thr Met				
1	5	10	15	
Ser Phe Leu Leu Ser Ser Leu Leu Ala Leu Leu Thr Val Ser Thr Pro				
	20	25	30	
Ser Trp Cys Gln Ser Thr Glu Ala Ser Pro Lys Arg Ser Asp Gly Thr				
	35	40	45	
Pro Phe Pro Trp Asn Lys Ile Arg Leu Pro Glu Tyr Val Ile Pro Val				
	50	55	60	

5609

His	Tyr	Asp	Leu	Leu	Ile	His	Ala	Asn	Leu	Thr	Thr	Leu	Thr	Phe	Trp	65	70	75	80
Gly	Thr	Thr	Lys	Val	Glu	Ile	Thr	Ala	Ser	Gln	Pro	Thr	Ser	Thr	Ile	85	90	95	
Ile	Leu	His	Ser	His	His	Leu	Gln	Ile	Ser	Arg	Ala	Thr	Leu	Arg	Lys	100	105	110	
Gly	Ala	Gly	Glu	Arg	Leu	Ser	Glu	Glu	Pro	Leu	Gln	Val	Leu	Glu	His	115	120	125	
Pro	Pro	Gln	Glu	Gln	Ile	Ala	Leu	Leu	Ala	Pro	Glu	Pro	Leu	Leu	Val	130	135	140	
Gly	Leu	Pro	Tyr	Thr	Val	Val	Ile	His	Tyr	Ala	Gly	Asn	Leu	Ser	Glu	145	150	155	160
Thr	Phe	His	Gly	Phe	Tyr	Lys	Ser	Thr	Tyr	Arg	Thr	Lys	Glu	Gly	Glu	165	170	175	
Leu	Arg	Ile	Leu	Ala	Ser	Thr	Gln	Phe	Glu	Pro	Thr	Ala	Ala	Arg	Met	180	185	190	
Ala	Phe	Pro	Cys	Phe	Asp	Glu	Pro	Ala	Phe	Lys	Ala	Ser	Phe	Ser	Ile	195	200	205	
Lys	Ile	Arg	Arg	Glu	Pro	Arg	His	Leu	Ala	Ile	Ser	Asn	Met	Pro	Leu	210	215	220	
Val	Lys	Ser	Val	Thr	Val	Ala	Glu	Gly	Leu	Ile	Glu	Asp	His	Phe	Asp	225	230	235	240
Val	Thr	Val	Lys	Met	Ser	Thr	Tyr	Leu	Val	Ala	Phe	Ile	Ile	Ser	Asp	245	250	255	
Phe	Glu	Ser	Val	Ser	Lys	Ile	Thr	Lys	Ser	Gly	Val	Lys	Val	Ser	Val	260	265	270	
Tyr	Ala	Val	Pro	Asp	Lys	Met	Asn	Gln	Ala	Asp	Tyr	Ala	Leu	Asp	Ala	275	280	285	
Ala	Val	Thr	Leu	Leu	Glu	Phe	Tyr	Glu	Asp	Tyr	Phe	Ser	Ile	Pro	Tyr	290	295	300	
Pro	Leu	Pro	Lys	Gln	Asp	Leu	Ala	Ala	Ile	Pro	Asp	Phe	Gln	Ser	Gly	305	310	315	320
Ala	Met	Glu	Asn	Trp	Gly	Leu	Thr	Thr	Tyr	Arg	Glu	Ser	Ala	Leu	Leu	325	330	335	

5610

Phe	Asp	Ala	Glu	Lys	Ser	Ser	Ala	Ser	Ser	Lys	Leu	Gly	Ile	Thr	Met	340	345	350	
Thr	Val	Ala	His	Glu	Leu	Ala	His	Gln	Trp	Phe	Gly	Asn	Leu	Val	Thr	355	360	365	
Met	Glu	Trp	Trp	Asn	Asp	Leu	Trp	Leu	Asn	Glu	Gly	Phe	Ala	Lys	Phe	370	375	380	
Met	Glu	Phe	Val	Ser	Val	Ser	Val	Thr	His	Pro	Glu	Leu	Lys	Val	Gly	385	390	395	400
Asp	Tyr	Phe	Phe	Gly	Lys	Cys	Phe	Asp	Ala	Met	Glu	Val	Asp	Ala	Leu	405	410	415	
Asn	Ser	Ser	His	Pro	Val	Ser	Thr	Pro	Val	Glu	Asn	Pro	Ala	Gln	Ile	420	425	430	
Arg	Glu	Met	Phe	Asp	Asp	Val	Ser	Tyr	Asp	Lys	Gly	Ala	Cys	Ile	Leu	435	440	445	
Asn	Met	Leu	Arg	Glu	Tyr	Leu	Ser	Ala	Asp	Ala	Phe	Lys	Ser	Gly	Ile	450	455	460	
Val	Gln	Tyr	Leu	Gln	Lys	His	Ser	Tyr	Lys	Asn	Thr	Lys	Asn	Glu	Asp	465	470	475	480
Leu	Trp	Asp	Ser	Met	Ala	Ser	Ile	Cys	Pro	Thr	Asp	Gly	Val	Lys	Gly	485	490	495	
Met	Asp	Gly	Phe	Cys	Ser	Arg	Ser	Gln	His	Ser	Ser	Ser	Ser	Ser	His	500	505	510	
Trp	His	Gln	Glu	Gly	Val	Asp	Val	Lys	Thr	Met	Met	Asn	Thr	Trp	Thr	515	520	525	
Leu	Gln	Arg	Gly	Phe	Pro	Leu	Ile	Thr	Ile	Thr	Val	Arg	Gly	Arg	Asn	530	535	540	
Val	His	Met	Lys	Gln	Glu	His	Tyr	Met	Lys	Gly	Ser	Asp	Gly	Ala	Pro	545	550	555	560
Asp	Thr	Gly	Tyr	Leu	Trp	His	Val	Pro	Leu	Thr	Phe	Ile	Thr	Ser	Lys	565	570	575	
Ser	Asp	Met	Val	His	Arg	Phe	Leu	Leu	Lys	Thr	Lys	Thr	Asp	Val	Leu	580	585	590	
Ile	Leu	Pro	Glu	Glu	Val	Glu	Trp	Ile	Lys	Phe	Asn	Val	Gly	Met	Asn	595	600	605	

5611

Gly	Tyr	Tyr	Ile	Val	His	Tyr	Glu	Asp	Asp	Gly	Trp	Asp	Ser	Leu	Thr
610						615				620					
Gly	Leu	Leu	Lys	Gly	Thr	His	Thr	Ala	Val	Ser	Ser	Asn	Asp	Arg	Ala
625					630					635					640
Ser	Leu	Ile	Asn	Asn	Ala	Phe	Gln	Leu	Val	Ser	Ile	Gly	Lys	Leu	Ser
				645					650					655	
Ile	Glu	Lys	Ala	Leu	Asp	Leu	Ser	Leu	Tyr	Leu	Lys	His	Glu	Thr	Glu
			660					665					670		
Ile	Met	Pro	Val	Phe	Gln	Gly	Leu	Asn	Glu	Leu	Ile	Pro	Met	Tyr	Lys
	675						680					685			
Leu	Met	Glu	Lys	Arg	Asp	Met	Asn	Glu	Val	Glu	Thr	Gln	Phe	Lys	Ala
690						695					700				
Phe	Leu	Ile	Arg	Leu	Leu	Arg	Asp	Leu	Ile	Asp	Lys	Gln	Thr	Trp	Thr
705					710					715					720
Asp	Glu	Gly	Ser	Val	Ser	Glu	Arg	Met	Leu	Arg	Ser	Glu	Leu	Leu	Leu
				725					730					735	
Leu	Ala	Cys	Val	His	Asn	Tyr	Gln	Pro	Cys	Val	Gln	Arg	Ala	Glu	Gly
			740					745					750		
Tyr	Phe	Arg	Lys	Trp	Lys	Glu	Ser	Asn	Gly	Asn	Leu	Ser	Leu	Pro	Val
		755					760				765				
Asp	Val	Thr	Leu	Ala	Val	Phe	Ala	Val	Gly	Ala	Gln	Ser	Thr	Glu	Gly
	770					775					780				
Trp	Asp	Phe	Leu	Tyr	Ser	Lys	Tyr	Gln	Phe	Ser	Leu	Ser	Ser	Thr	Glu
785					790					795					800
Lys	Ser	Gln	Ile	Glu	Phe	Ala	Leu	Cys	Arg	Thr	Gln	Asn	Lys	Glu	Lys
				805					810					815	
Leu	Gln	Trp	Leu	Leu	Asp	Glu	Ser	Phe	Lys	Gly	Asp	Lys	Ile	Lys	Thr
			820					825					830		
Gln	Glu	Phe	Pro	Gln	Ile	Leu	Thr	Leu	Ile	Gly	Arg	Asn	Pro	Val	Gly
		835					840					845			
Tyr	Pro	Leu	Ala	Trp	Gln	Phe	Leu	Arg	Lys	Asn	Trp	Asn	Lys	Leu	Val
	850					855					860				
Gln	Lys	Phe	Glu	Leu	Gly	Ser	Ser	Ser	Ile	Ala	His	Met	Val	Met	Gly
865					870					875					880

5612

Thr Thr Asn Gln Phe Ser Thr Arg Thr Arg Leu Glu Glu Val Lys Gly
 885 890 895

Phe Phe Ser Ser Leu Lys Glu Asn Gly Ser Gln Leu Arg Cys Val Gln
 900 905 910

Gln Thr Ile Glu Thr Ile Glu Glu Asn Ile Gly Trp Met Asp Lys Asn
 915 920 925

Phe Asp Lys Ile Arg Val Trp Leu Gln Ser Glu Lys Leu Glu Arg Met
 930 935 940

<210> 6372

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6372

Val Arg Asn Gly Ser Phe Cys Ser Pro Gly Ser Glu Pro Pro Gly Ala
 1 5 10 15

Ala Arg Gly Leu Ala Ala Pro Arg Pro Arg Cys Pro Pro Gly Val Pro
 20 25 30

Leu Leu Arg Ala Pro Ala Ala Gly Cys Gln Leu Phe Gly Ala Pro Ser
 35 40 45

Arg Thr Gln Arg Arg Glu Arg Ala Arg Asp Lys Leu Glu Leu Arg Pro
 50 55 60

Pro Arg Pro Ser Pro Ala Pro Leu Pro Leu Pro Pro Arg Gly Arg Ala
 65 70 75 80

Pro Thr Met Leu Gln Gly Pro Gly Ser Leu Leu Leu Leu Phe Leu Ala
 85 90 95

Ser His Cys Cys Leu Gly Ser Ala Arg Gly Leu Phe Leu Phe Gly Gln
 100 105 110

Pro Asp Phe Ser Tyr Lys Arg Ser Asn Cys Lys Pro Ile Pro Xaa Asn

115					120					125						
Leu	Gln	Leu	Cys	His	Gly	Ile	Glu	Tyr	Gln	Asn	Met	Arg	Leu	Pro	Asn	
130					135					140						
Leu	Leu	Gly	His	Glu	Thr	Met	Lys	Glu	Val	Leu	Glu	Gln	Ala	Gly	Ala	
145					150					155					160	
Trp	Ile	Pro	Leu	Val	Met	Lys	Gln	Cys	His	Pro	Asp	Thr	Lys	Lys	Phe	
165					170					175						
Leu	Cys	Ser	Leu	Phe	Ala	Pro	Val	Cys	Leu	Asp	Asp	Leu	Asp	Glu	Thr	
180					185					190						
Ile	Gln	Pro	Cys	His	Ser	Leu	Cys	Val	Gln	Val	Lys	Asp	Arg	Cys	Ala	
195					200					205						
Pro	Val	Met	Ser	Ala	Phe	Gly	Phe	Pro	Trp	Pro	Asp	Met	Leu	Glu	Cys	
210					215					220						
Asp	Arg	Phe	Pro	Gln	Asp	Asn	Asp	Leu	Cys	Ile	Pro	Leu	Ala	Ser	Ser	
225					230					235					240	
Asp	His	Leu	Leu	Pro	Ala	Thr	Glu	Glu	Ala	Pro	Lys	Val	Cys	Glu	Ala	
245					250					255						
Cys	Lys	Asn	Lys	Asn	Asp	Asp	Asp	Asn	Asp	Ile	Met	Glu	Thr	Leu	Cys	
260					265					270						
Lys	Asn	Asp	Phe	Ala	Leu	Lys	Ile	Lys	Val	Lys	Glu	Ile	Thr	Tyr	Ile	
275					280					285						
Asn	Arg	Asp	Thr	Lys	Ile	Ile	Leu	Glu	Thr	Lys	Ser	Lys	Thr	Ile	Tyr	
290					295					300						
Lys	Leu	Asn	Gly	Val	Ser	Glu	Arg	Asp	Leu	Lys	Lys	Ser	Val	Leu	Trp	
305					310					315					320	
Leu	Lys	Asp	Ser	Leu	Gln	Cys	Thr	Cys	Glu	Glu	Met	Asn	Asp	Ile	Asn	
325					330					335						
Ala	Pro	Tyr	Leu	Val	Met	Gly	Gln	Lys	Gln	Gly	Gly	Glu	Leu	Val	Ile	
340					345					350						
Thr	Ser	Val	Lys	Arg	Trp	Gln	Lys	Gly	Gln	Arg	Glu	Phe	Lys	Arg	Ile	
355					360					365						
Ser	Arg	Ser	Ile	Arg	Lys	Leu	Gln	Cys								
370					375											

5614

<210> 6373

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6373

His	Xaa	Pro	Arg	Leu	Pro	Ala	Leu	Pro	Pro	Arg	Leu	Leu	Ser	Pro	Ser
1				5					10					15	

Ala	Ala	Thr	Met	Ser	Ala	Ser	Ala	Val	Phe	Ile	Leu	Asp	Val	Lys	Gly
			20					25					30		

Lys	Pro	Leu	Ile	Ser	Arg	Asn	Tyr	Lys	Gly	Asp	Val	Ala	Met	Ser	Lys
		35					40					45			

Ile	Glu	His	Phe	Met	Pro	Leu	Leu	Val	Gln	Arg	Glu	Glu	Glu	Gly	Ala
	50					55					60				

Leu	Ala	Pro	Leu	Leu	Ser	His	Gly	Gln	Val	His	Phe	Leu	Trp	Ile	Lys
65					70					75					80

His	Ser	Asn	Leu	Tyr	Leu	Val	Ala	Thr	Thr	Ser	Lys	Asn	Ala	Asn	Ala
			85						90					95	

Ser	Leu	Val	Tyr	Ser	Phe	Leu	Tyr	Lys	Thr	Ile	Glu	Val	Phe	Cys	Glu
		100						105					110		

Tyr	Phe	Lys	Glu	Leu	Glu	Glu	Glu	Ser	Ile	Arg	Asp	Asn	Phe	Val	Ile
		115					120					125			

Val	Tyr	Glu	Leu	Leu	Asp	Glu	Leu	Met	Asp	Phe	Gly	Phe	Pro	Gln	Xaa
	130					135					140				

Thr	Asp	Ser	Lys	Ile	Leu	Gln	Glu	Tyr	Ile	Thr	Gln	Gln	Ser	Asn	Lys
145					150					155					160

Leu	Glu	Thr	Gly	Lys	Ser	Arg	Val	Pro	Pro	Thr	Val	Thr	Asn	Ala	Val
				165						170					175

Ser	Trp	Arg	Ser	Glu	Gly	Ile	Lys	Tyr	Lys	Lys	Asn	Glu	Val	Phe	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5615

180	185	190
Asp Val Ile Glu Ser Val Asn Leu Leu Val Asn Ala Asn Gly Ser Val		
195	200	205
Leu Leu Ser Glu Ile Val Gly Thr Ile Lys Leu Lys Val Phe Leu Ser		
210	215	220
Gly Met Pro Glu Leu Arg Leu Gly Leu Asn Asp Arg Val Leu Phe Glu		
225	230	235
Leu Thr Gly Arg Ser Lys Asn Lys Ser Val Glu Leu Glu Asp Val Lys		
	245	250
Phe His Gln Cys Val Arg Leu Ser Arg Phe Asp Asn Asp Arg Thr Ile		
	260	265
Ser Phe Ile Pro Pro Asp Gly Asp Phe Glu Leu Met Ser Tyr Arg Leu		
	275	280
Ser Thr Gln Val Lys Pro Leu Ile Trp Ile Glu Ser Val Ile Glu Lys		
	290	295
Phe Ser His Ser Arg Val Glu Ile Met Val Lys Ala Lys Gly Gln Phe		
305	310	315
Lys Lys Gln Ser Val Ala Asn Gly Val Glu Ile Ser Val Pro Val Pro		
	325	330
Ser Asp Ala Asp Ser Pro Arg Phe Lys Thr Ser Val Gly Ser Ala Lys		
	340	345
Tyr Val Pro Glu Arg Asn Val Val Ile Trp Ser Ile Lys Ser Phe Pro		
	355	360
Gly Gly Lys Glu Tyr Leu Met Arg Ala His Phe Gly Leu Pro Ser Val		
	370	375
Glu Lys Glu Glu Val Glu Gly Arg Pro Pro Ile Gly Val Lys Phe Glu		
385	390	395
Ile Pro Tyr Phe Thr Val Ser Gly Ile Gln Val Arg Tyr Met Lys Ile		
	405	410
Ile Glu Lys Ser Gly Tyr Gln Ala Leu Pro Trp Val Arg Tyr Ile Thr		
	420	425
Gln Ser Gly Asp Tyr Gln Leu Arg Thr Ser		
435	440	

5616

<210> 6374

<211> 347

<212> PRT

<213> Homo sapiens

<400> 6374

Glu Glu Ala Asp Ala Glu Met Glu Gln Ala Leu His Arg Phe Gly Arg
 1 5 10 15

Gly Leu Val Trp Leu Ser Val Ala Trp Leu Ser Val Gly Arg Val Arg
 20 25 30

Val Arg Asp Asp Gly Asp Thr Gly Arg Gly Phe Cys Arg Ala Gly Pro
 35 40 45

Val Leu Thr Arg Gly Pro Ser Gly Asp Ser Ser Pro Leu Pro Leu Pro
 50 55 60

Thr Ser Val Thr Ala Ala Tyr Lys His Ala Asp Gly Lys Lys Ile Asp
 65 70 75 80

Gly Arg Arg Val Leu Val Asp Val Glu Arg Gly Arg Thr Val Lys Gly
 85 90 95

Trp Arg Pro Arg Arg Leu Gly Gly Gly Leu Gly Gly Thr Arg Arg Gly
 100 105 110

Gly Ala Asp Val Asn Ile Arg His Ser Gly Arg Asp Asp Thr Ser Arg
 115 120 125

Tyr Asp Glu Arg Pro Gly Pro Ser Pro Leu Pro His Arg Asp Arg Asp
 130 135 140

Arg Asp Arg Glu Arg Glu Arg Arg Glu Arg Ser Arg Glu Arg Asp Lys
 145 150 155 160

Glu Arg Glu Arg Arg Arg Ser Arg Ser Arg Asp Arg Arg Arg Arg Ser
 165 170 175

Arg Ser Arg Asp Lys Glu Glu Arg Arg Arg Ser Arg Glu Arg Ser Lys
 180 185 190

Asp Lys Asp Arg Asp Arg Lys Arg Arg Ser Ser Arg Ser Arg Glu Arg
 195 200 205

Ala Arg Arg Glu Arg Glu Arg Lys Glu Glu Leu Arg Gly Gly Gly Gly
 210 215 220

Asp Met Ala Glu Pro Ser Glu Ala Gly Asp Ala Pro Pro Asp Asp Gly
 225 230 235 240

5617

Pro	Pro	Gly	Glu	Leu	Gly	Pro	Asp	Gly	Pro	Asp	Gly	Pro	Glu	Glu	Lys		
				245					250				255				
Gly	Arg	Asp	Arg	Asp	Arg	Glu	Arg	Arg	Arg	Ser	His	Arg	Ser	Glu	Arg		
				260					265				270				
Glu	Arg	Arg	Arg	Asp	Arg	Asp	Arg	Asp	Arg	Asp	Arg	Asp	Arg	Glu	His		
				275					280				285				
Lys	Arg	Gly	Glu	Arg	Gly	Ser	Glu	Arg	Gly	Arg	Asp	Glu	Ala	Arg	Gly		
				290					295				300				
Gly	Gly	Gly	Gly	Gln	Asp	Asn	Gly	Leu	Glu	Gly	Leu	Gly	Asn	Asp	Ser		
305					310					315				320			
Arg	Asp	Met	Tyr	Met	Glu	Ser	Glu	Gly	Gly	Asp	Gly	Tyr	Leu	Ala	Pro		
				325					330				335				
Glu	Asn	Gly	Tyr	Leu	Met	Glu	Ala	Ala	Pro	Glu							
				340					345								

<210> 6375

<211> 410

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6375

Tyr Arg Ser Thr Leu Gln Tyr Arg Ser Gly Ile Pro Gly Arg Pro Thr
1 5 10 15

Xaa Arg Leu Ala Ser Pro Phe Arg Pro Val Pro Met Glu Ala Leu Gly
20 25 30

Lys Leu Lys Gln Phe Asp Ala Tyr Pro Lys Thr Leu Glu Asp Phe Arg
35 40 45

Val Lys Thr Cys Gly Gly Ala Thr Val Thr Ile Val Ser Gly Leu Leu
50 55 60

Met Leu Leu Leu Phe Leu Ser Glu Leu Gln Tyr Tyr Leu Thr Thr Glu
65 70 75 80

Val His Pro Glu Leu Tyr Val Asp Lys Ser Arg Gly Asp Lys Leu Lys

90

85																90																95															
Ile	Asn	Ile	Asp	Val	Leu	Phe	Pro	His	Met	Pro	Cys	Ala	Tyr	Leu	Ser																																
			100				105						110																																		
Ile	Asp	Ala	Met	Asp	Val	Ala	Gly	Glu	Gln	Gln	Leu	Asp	Val	Glu	His																																
			115				120						125																																		
Asn	Leu	Phe	Lys	Gln	Arg	Leu	Asp	Lys	Asp	Gly	Ile	Pro	Val	Ser	Ser																																
			130				135						140																																		
Glu	Ala	Glu	Arg	His	Glu	Leu	Gly	Lys	Val	Glu	Val	Thr	Val	Phe	Asp																																
145				150						155																																					
Pro	Asp	Ser	Leu	Asp	Pro	Asp	Arg	Cys	Glu	Ser	Cys	Tyr	Gly	Ala	Glu																																
			165						170						175																																
Ala	Glu	Asp	Ile	Lys	Cys	Cys	Asn	Thr	Cys	Glu	Asp	Val	Arg	Glu	Ala																																
			180						185						190																																
Tyr	Arg	Arg	Arg	Gly	Trp	Ala	Phe	Lys	Asn	Pro	Asp	Thr	Ile	Glu	Gln																																
			195						200						205																																
Cys	Arg	Arg	Glu	Gly	Phe	Ser	Gln	Lys	Met	Gln	Glu	Gln	Lys	Asn	Glu																																
			210			215						220																																			
Gly	Cys	Gln	Val	Tyr	Gly	Phe	Leu	Glu	Val	Asn	Lys	Val	Ala	Gly	Asn																																
225				230						235																																					
Phe	His	Phe	Ala	Pro	Gly	Lys	Ser	Phe	Gln	Gln	Ser	His	Val	His	Val																																
			245						250						255																																
His	Asp	Leu	Gln	Ser	Phe	Gly	Leu	Asp	Asn	Ile	Asn	Met	Thr	His	Tyr																																
			260						265						270																																
Ile	Gln	His	Leu	Ser	Phe	Gly	Glu	Asp	Tyr	Pro	Gly	Ile	Val	Asn	Pro																																
			275						280						285																																
Leu	Asp	His	Thr	Asn	Val	Thr	Ala	Pro	Gln	Ala	Ser	Met	Met	Phe	Gln																																
			290			295						300																																			
Tyr	Phe	Val	Lys	Val	Val	Pro	Thr	Val	Tyr	Met	Lys	Val	Asp	Gly	Glu																																
305				310						315																																					
Val	Leu	Arg	Thr	Asn	Gln	Phe	Ser	Val	Thr	Arg	His	Glu	Lys	Val	Ala																																
			325						330						335																																
Asn	Gly	Leu	Leu	Gly	Asp	Gln	Gly	Leu	Pro	Gly	Val	Phe	Val	Leu	Tyr																																
			340						345						350																																
Glu	Leu	Ser	Pro	Met	Met	Val	Lys	Leu	Thr	Glu	Lys	His	Arg	Ser	Phe																																

5619

355 360 365
 Thr His Phe Leu Thr Gly Val Cys Ala Ile Ile Gly Gly Met Phe Thr
 370 375 380
 Val Ala Gly Leu Ile Asp Ser Leu Ile Tyr His Ser Ala Arg Ala Ile
 385 390 395 400
 Gln Lys Lys Ile Asp Leu Gly Lys Thr Thr
 405 410

<210> 6376
 <211> 539
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6376
 Ile Xaa Ile Phe Thr Gln Xaa Xaa Ala Met Xaa Met Ile Thr Pro Ser
 1 5 10 15
 Phe Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg
 20 25 30
 Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Ser Thr Thr Val Pro
 35 40 45
 Gly Leu Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly Ser Thr
 50 55 60

5620

Glu	Thr	Thr	Ala	Phe	Ser	His	Ser	Asn	Thr	Met	Ser	Ile	His	Ser	Gln	65	70	75	80
Gln	Ser	Thr	Pro	Phe	Pro	Asp	Ser	Pro	Gly	Phe	Thr	His	Thr	Val	Leu	85	90	95	
Pro	Ala	Thr	Leu	Thr	Thr	Thr	Asp	Ile	Gly	Gln	Glu	Ser	Thr	Ala	Phe	100	105	110	
His	Ser	Ser	Ser	Asp	Ala	Thr	Gly	Thr	Thr	Pro	Leu	Pro	Ala	Arg	Ser	115	120	125	
Thr	Ala	Ser	Asp	Leu	Val	Gly	Glu	Pro	Thr	Thr	Phe	Tyr	Ile	Ser	Pro	130	135	140	
Ser	Pro	Thr	Tyr	Thr	Thr	Leu	Phe	Pro	Ala	Ser	Ser	Ser	Thr	Ser	Gly	145	150	155	160
Leu	Thr	Glu	Glu	Ser	Thr	Thr	Phe	His	Thr	Ser	Pro	Ser	Phe	Thr	Ser	165	170	175	
Thr	Ile	Val	Ser	Thr	Glu	Ser	Leu	Glu	Thr	Leu	Ala	Pro	Gly	Leu	Cys	180	185	190	
Gln	Glu	Gly	Gln	Ile	Trp	Asn	Gly	Lys	Gln	Cys	Val	Cys	Pro	Gln	Gly	195	200	205	
Tyr	Val	Gly	Tyr	Gln	Cys	Leu	Ser	Pro	Leu	Glu	Ser	Phe	Pro	Val	Glu	210	215	220	
Thr	Pro	Glu	Lys	Leu	Asn	Ala	Thr	Leu	Gly	Met	Thr	Val	Lys	Val	Thr	225	230	235	240
Tyr	Arg	Asn	Phe	Thr	Glu	Lys	Met	Asn	Asp	Ala	Ser	Ser	Gln	Glu	Tyr	245	250	255	
Gln	Asn	Phe	Ser	Thr	Leu	Phe	Lys	Asn	Arg	Met	Asp	Val	Val	Leu	Lys	260	265	270	
Gly	Asp	Asn	Leu	Pro	Gln	Tyr	Arg	Gly	Val	Asn	Ile	Arg	Arg	Leu	Leu	275	280	285	
Asn	Gly	Ser	Ile	Val	Val	Lys	Asn	Asp	Val	Ile	Leu	Glu	Ala	Asp	Tyr	290	295	300	
Thr	Leu	Glu	Tyr	Glu	Glu	Leu	Phe	Glu	Asn	Leu	Ala	Glu	Ile	Val	Lys	305	310	315	320
Ala	Lys	Ile	Met	Asn	Glu	Thr	Arg	Thr	Thr	Leu	Leu	Asp	Pro	Asp	Ser	325	330	335	

5621

Cys Arg Lys Ala Ile Leu Cys Tyr Ser Glu Glu Asp Thr Phe Val Asp
 340 345 350
 Ser Ser Val Thr Pro Gly Phe Asp Phe Gln Glu Gln Cys Thr Gln Lys
 355 360 365
 Ala Ala Glu Gly Tyr Thr Gln Phe Tyr Tyr Val Asp Val Leu Asp Gly
 370 375 380
 Lys Leu Ala Cys Val Asn Lys Cys Thr Lys Gly Thr Lys Ser Gln Met
 385 390 395 400
 Asn Cys Asn Leu Gly Thr Cys Gln Leu Gln Arg Ser Gly Pro Arg Cys
 405 410 415
 Leu Cys Pro Asn Thr Asn Thr His Trp Tyr Trp Gly Glu Thr Cys Glu
 420 425 430
 Phe Asn Ile Ala Lys Ser Leu Val Tyr Gly Ile Val Gly Ala Val Met
 435 440 445
 Ala Val Leu Leu Leu Ala Leu Ile Ile Leu Ile Ile Leu Phe Ser Leu
 450 455 460
 Ser Gln Arg Lys Arg His Arg Glu Gln Tyr Asp Val Pro Gln Glu Trp
 465 470 475 480
 Arg Lys Glu Gly Thr Pro Gly Ile Phe Gln Lys Thr Ala Ile Trp Glu
 485 490 495
 Asp Gln Asn Leu Arg Glu Ser Arg Phe Gly Leu Glu Asn Ala Tyr Asn
 500 505 510
 Asn Phe Arg Pro Thr Leu Glu Thr Val Asp Ser Gly Thr Glu Leu His
 515 520 525
 Ile Gln Arg Pro Glu Met Val Ala Ser Thr Val
 530 535

<210> 6377

<211> 365

<212> PRT

<213> Homo sapiens

<400> 6377

Gly Arg Val Gly Ser Pro Gly Gly Cys Pro Trp Val Leu Pro Ser Leu
 1 5 10 15

Pro Asp Thr Gln Thr Asp Leu Asp Arg Pro Pro Gly Arg Ser Arg Thr

5622

20					25					30					
Gly	Arg	Pro	Asp	Ala	Ala	Met	Ala	Glu	Leu	Pro	Gly	Pro	Phe	Leu	Cys
		35					40					45			
Gly	Ala	Leu	Leu	Gly	Phe	Leu	Cys	Leu	Ser	Gly	Leu	Ala	Val	Glu	Val
	50					55					60				
Lys	Val	Pro	Thr	Glu	Pro	Leu	Ser	Thr	Pro	Leu	Gly	Lys	Thr	Ala	Glu
	65					70					75				80
Leu	Thr	Cys	Thr	Tyr	Ser	Thr	Ser	Val	Gly	Asp	Ser	Phe	Ala	Leu	Glu
				85					90					95	
Trp	Ser	Phe	Val	Gln	Pro	Gly	Lys	Pro	Ile	Ser	Glu	Ser	His	Pro	Ile
			100					105					110		
Leu	Tyr	Phe	Thr	Asn	Gly	His	Leu	Tyr	Pro	Thr	Gly	Ser	Lys	Ser	Lys
		115					120					125			
Arg	Val	Ser	Leu	Leu	Gln	Asn	Pro	Pro	Thr	Val	Gly	Val	Ala	Thr	Leu
		130				135					140				
Lys	Leu	Thr	Asp	Val	His	Pro	Ser	Asp	Thr	Gly	Thr	Tyr	Leu	Cys	Gln
	145					150					155				160
Val	Asn	Asn	Pro	Pro	Asp	Phe	Tyr	Thr	Asn	Gly	Leu	Gly	Leu	Ile	Asn
				165					170					175	
Leu	Thr	Val	Leu	Val	Pro	Pro	Ser	Asn	Pro	Leu	Cys	Ser	Gln	Ser	Gly
			180					185					190		
Gln	Thr	Ser	Val	Gly	Gly	Ser	Thr	Ala	Leu	Arg	Cys	Ser	Ser	Ser	Glu
		195					200					205			
Gly	Ala	Pro	Lys	Pro	Val	Tyr	Asn	Trp	Val	Arg	Leu	Gly	Thr	Phe	Pro
	210					215					220				
Thr	Pro	Ser	Pro	Gly	Ser	Met	Val	Gln	Asp	Glu	Val	Ser	Gly	Gln	Leu
	225					230					235				240
Ile	Leu	Thr	Asn	Leu	Ser	Leu	Thr	Ser	Ser	Gly	Thr	Tyr	Arg	Cys	Val
				245					250					255	
Ala	Thr	Asn	Gln	Met	Gly	Ser	Ala	Ser	Cys	Glu	Leu	Thr	Leu	Ser	Val
			260					265					270		
Thr	Glu	Pro	Ser	Gln	Gly	Arg	Val	Ala	Gly	Ala	Leu	Ile	Gly	Val	Leu
		275					280					285			
Leu	Gly	Val	Leu	Leu	Leu	Ser	Val	Ala	Ala	Phe	Cys	Leu	Val	Arg	Phe

5623

290 295 300
 Gln Lys Glu Arg Gly Lys Lys Pro Lys Glu Thr Tyr Gly Gly Ser Asp
 305 310 315 320
 Leu Arg Glu Asp Ala Ile Ala Pro Gly Ile Ser Glu His Thr Cys Met
 325 330 335
 Arg Ala Asp Ser Ser Lys Gly Phe Leu Glu Arg Pro Ser Ser Ala Ser
 340 345 350
 Thr Val Thr Thr Thr Lys Ser Lys Leu Pro Met Val Val
 355 360 365

 <210> 6378
 <211> 869
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6378
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Thr Xaa Ala Ser
 1 5 10 15
 Leu Tyr Leu Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys Asn Val
 20 25 30
 Ala Ile Leu Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp Tyr Val Arg
 35 40 45
 Pro Lys Leu Glu Thr Tyr Lys Asn Ala Asp Val Leu Val Ala Glu Ser
 50 55 60
 Thr Pro Pro Gly Asn Asp Glu Pro Tyr Thr Glu Gln Met Gly Asn Cys
 65 70 75 80
 Gly Glu Lys Gly Glu Arg Ile His Leu Thr Pro Asp Phe Ile Ala Gly
 85 90 95
 Lys Lys Leu Ala Glu Tyr Gly Pro Gln Gly Arg Ala Phe Val His Glu
 100 105 110
 Trp Ala His Leu Arg Trp Gly Val Phe Asp Glu Tyr Asn Asn Asp Glu
 115 120 125

5624

Lys	Phe	Tyr	Leu	Ser	Asn	Gly	Arg	Ile	Gln	Ala	Val	Arg	Cys	Ser	Ala	130	135	140	
Gly	Ile	Thr	Gly	Thr	Asn	Val	Val	Lys	Lys	Cys	Gln	Gly	Gly	Ser	Cys	145	150	155	160
Tyr	Thr	Lys	Arg	Cys	Thr	Phe	Asn	Lys	Val	Thr	Gly	Leu	Tyr	Glu	Lys	165	170	175	
Gly	Cys	Glu	Phe	Val	Leu	Gln	Ser	Arg	Gln	Thr	Glu	Lys	Ala	Ser	Ile	180	185	190	
Met	Phe	Ala	Gln	His	Val	Asp	Ser	Ile	Val	Glu	Phe	Cys	Thr	Glu	Gln	195	200	205	
Asn	His	Asn	Lys	Glu	Ala	Pro	Asn	Lys	Gln	Asn	Gln	Lys	Cys	Asn	Leu	210	215	220	
Arg	Ser	Thr	Trp	Glu	Val	Ile	Arg	Asp	Ser	Glu	Asp	Phe	Lys	Lys	Thr	225	230	235	240
Thr	Pro	Met	Thr	Thr	Gln	Pro	Pro	Asn	Pro	Thr	Phe	Ser	Leu	Leu	Gln	245	250	255	
Ile	Gly	Gln	Arg	Ile	Val	Cys	Leu	Val	Leu	Asp	Lys	Ser	Gly	Ser	Met	260	265	270	
Ala	Thr	Gly	Asn	Arg	Leu	Asn	Arg	Leu	Asn	Gln	Ala	Gly	Gln	Leu	Phe	275	280	285	
Leu	Leu	Gln	Thr	Val	Glu	Leu	Gly	Ser	Trp	Val	Gly	Met	Val	Thr	Phe	290	295	300	
Asp	Ser	Ala	Ala	His	Val	Gln	Ser	Glu	Leu	Ile	Gln	Ile	Asn	Ser	Gly	305	310	315	320
Ser	Asp	Arg	Asp	Thr	Leu	Ala	Lys	Arg	Leu	Pro	Ala	Ala	Ala	Ser	Gly	325	330	335	
Gly	Thr	Ser	Ile	Cys	Ser	Gly	Leu	Arg	Ser	Ala	Phe	Thr	Val	Ile	Arg	340	345	350	
Lys	Lys	Tyr	Pro	Thr	Asp	Gly	Ser	Glu	Ile	Val	Leu	Leu	Thr	Asp	Gly	355	360	365	
Glu	Asp	Asn	Thr	Ile	Ser	Gly	Cys	Phe	Asn	Glu	Val	Lys	Gln	Ser	Gly	370	375	380	
Ala	Ile	Ile	His	Thr	Val	Ala	Leu	Gly	Pro	Ser	Ala	Ala	Gln	Glu	Leu	385	390	395	400

5625

Glu	Glu	Leu	Ser	Lys	Met	Thr	Gly	Gly	Leu	Gln	Thr	Tyr	Ala	Ser	Asp	405	410	415	
Gln	Val	Gln	Asn	Asn	Gly	Leu	Ile	Asp	Ala	Phe	Gly	Ala	Leu	Ser	Ser	420	425	430	
Gly	Asn	Gly	Ala	Val	Ser	Gln	Arg	Ser	Ile	Gln	Leu	Glu	Ser	Lys	Gly	435	440	445	
Leu	Thr	Leu	Gln	Asn	Ser	Gln	Trp	Met	Asn	Gly	Thr	Val	Ile	Val	Asp	450	455	460	
Ser	Thr	Val	Gly	Lys	Asp	Thr	Leu	Phe	Leu	Ile	Thr	Trp	Thr	Thr	Gln	465	470	475	480
Pro	Pro	Gln	Ile	Leu	Leu	Trp	Asp	Pro	Ser	Gly	Gln	Lys	Gln	Gly	Gly	485	490	495	
Phe	Val	Val	Asp	Lys	Asn	Thr	Lys	Met	Ala	Tyr	Leu	Gln	Ile	Pro	Gly	500	505	510	
Ile	Ala	Lys	Val	Gly	Thr	Trp	Lys	Tyr	Ser	Leu	Gln	Ala	Ser	Ser	Gln	515	520	525	
Thr	Leu	Thr	Leu	Thr	Val	Thr	Ser	Arg	Ala	Ser	Asn	Ala	Thr	Leu	Pro	530	535	540	
Pro	Ile	Thr	Val	Thr	Ser	Lys	Thr	Asn	Lys	Asp	Thr	Ser	Lys	Phe	Pro	545	550	555	560
Ser	Pro	Leu	Val	Val	Tyr	Ala	Asn	Ile	Arg	Gln	Gly	Ala	Ser	Pro	Ile	565	570	575	
Leu	Arg	Ala	Ser	Val	Thr	Ala	Leu	Ile	Glu	Ser	Val	Asn	Gly	Lys	Thr	580	585	590	
Val	Thr	Leu	Glu	Leu	Leu	Asp	Asn	Gly	Ala	Gly	Ala	Asp	Ala	Thr	Lys	595	600	605	
Asp	Asp	Gly	Val	Tyr	Ser	Arg	Tyr	Phe	Thr	Thr	Tyr	Asp	Thr	Asn	Gly	610	615	620	
Arg	Tyr	Ser	Val	Lys	Val	Arg	Ala	Leu	Gly	Gly	Val	Asn	Ala	Ala	Arg	625	630	635	640
Arg	Arg	Val	Ile	Pro	Gln	Gln	Ser	Gly	Ala	Leu	Tyr	Ile	Pro	Gly	Trp	645	650	655	
Ile	Glu	Asn	Asp	Glu	Ile	Gln	Trp	Asn	Pro	Pro	Arg	Pro	Glu	Ile	Asn	660	665	670	

5626

Lys Asp Asp Val Gln His Lys Gln Val Cys Phe Ser Arg Thr Ser Ser
 675 680 685

 Gly Gly Ser Phe Val Ala Ser Asp Val Pro Asn Ala Pro Ile Pro Asp
 690 695 700

 Leu Phe Pro Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu Ile His Gly
 705 710 715 720

 Gly Ser Leu Ile Asn Leu Thr Trp Thr Ala Pro Gly Asp Asp Tyr Asp
 725 730 735

 His Gly Thr Ala His Lys Tyr Ile Ile Arg Ile Ser Thr Ser Ile Leu
 740 745 750

 Asp Leu Arg Asp Lys Phe Asn Glu Ser Leu Gln Val Asn Thr Thr Ala
 755 760 765

 Leu Ile Pro Lys Glu Ala Asn Ser Glu Glu Val Phe Leu Phe Lys Pro
 770 775 780

 Glu Asn Ile Thr Phe Glu Asn Gly Thr Asp Leu Phe Ile Ala Ile Gln
 785 790 795 800

 Ala Val Asp Lys Val Asp Leu Lys Ser Glu Ile Ser Asn Ile Ala Arg
 805 810 815

 Val Ser Leu Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr Pro Ser Pro
 820 825 830

 Asp Glu Thr Ser Ala Pro Cys Pro Asn Ile His Ile Asn Ser Thr Ile
 835 840 845

 Pro Gly Ile His Ile Leu Lys Ile Met Trp Lys Trp Ile Gly Glu Leu
 850 855 860

 Gln Leu Ser Ile Ala
 865

<210> 6379

<211> 275

<212> PRT

<213> Homo sapiens

<400> 6379

Pro Thr Arg Pro His Ser Ser Gly Tyr Leu Pro Thr Met Ala Leu Val
 1 5 10 15

Leu Ile Leu Gln Leu Leu Thr Leu Trp Pro Leu Cys His Thr Asp Ile

20				25				30							
Thr	Pro	Ser	Val	Pro	Pro	Ala	Ser	Tyr	His	Pro	Lys	Pro	Trp	Leu	Gly
35				40				45							
Ala	Gln	Pro	Ala	Thr	Val	Val	Thr	Pro	Gly	Val	Asn	Val	Thr	Leu	Arg
50				55				60							
Cys	Arg	Ala	Pro	Gln	Pro	Ala	Trp	Arg	Phe	Gly	Leu	Phe	Lys	Pro	Gly
65				70				75				80			
Glu	Ile	Ala	Pro	Leu	Leu	Phe	Arg	Asp	Val	Ser	Ser	Glu	Leu	Ala	Glu
				85				90				95			
Phe	Phe	Leu	Glu	Glu	Val	Thr	Pro	Ala	Gln	Gly	Gly	Ser	Tyr	Arg	Cys
100				105				110							
Cys	Tyr	Arg	Arg	Pro	Asp	Trp	Gly	Pro	Gly	Val	Trp	Ser	Gln	Pro	Ser
115				120				125							
Asp	Val	Leu	Glu	Leu	Leu	Val	Thr	Glu	Glu	Leu	Pro	Arg	Pro	Ser	Leu
130				135				140							
Val	Ala	Leu	Pro	Gly	Pro	Val	Val	Gly	Pro	Gly	Ala	Asn	Val	Ser	Leu
145				150				155				160			
Arg	Cys	Ala	Gly	Arg	Leu	Arg	Asn	Met	Ser	Phe	Val	Leu	Tyr	Arg	Glu
				165				170				175			
Gly	Val	Ala	Ala	Pro	Leu	Gln	Tyr	Arg	His	Ser	Ala	Gln	Pro	Trp	Ala
180				185				190							
Asp	Phe	Thr	Leu	Leu	Gly	Ala	Arg	Ala	Pro	Gly	Thr	Tyr	Ser	Cys	Tyr
195				200				205							
Tyr	His	Thr	Pro	Ser	Ala	Pro	Tyr	Val	Leu	Ser	Gln	Arg	Ser	Glu	Val
210				215				220							
Leu	Val	Ile	Ser	Trp	Glu	Asp	Ser	Gly	Ser	Ser	Asp	Tyr	Thr	Arg	Gly
225				230				235				240			
Asn	Leu	Val	Arg	Leu	Gly	Leu	Ala	Gly	Leu	Val	Leu	Ile	Ser	Leu	Gly
				245				250				255			
Ala	Leu	Val	Thr	Phe	Asp	Trp	Arg	Ser	Gln	Asn	Arg	Ala	Pro	Ala	Gly
				260				265				270			
Ile	Arg	Pro													
275															

5628

<210> 6380

<211> 708

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6380

Pro	Arg	Arg	Leu	Leu	Ser	Thr	Ser	Arg	Arg	Cys	Ser	Arg	Arg	Arg	Arg
1				5					10					15	

Leu	Ala	Val	Arg	Cys	Gln	Ala	Ala	Pro	Ser	Pro	Gly	Ala	Arg	Arg	Leu
			20					25					30		

Ala	Cys	Arg	Gly	Ala	Pro	Gly	Arg	Thr	Ala	Arg	Pro	Ala	Pro	Pro	Pro
		35					40					45			

Gly	Ser	Phe	Gly	Xaa	Ala	Met	Gly	Cys	Cys	Ser	Ser	Ala	Ser	Ser	Ala
	50					55					60				

Ala	Gln	Ser	Ser	Lys	Arg	Glu	Trp	Lys	Pro	Leu	Glu	Asp	Arg	Ser	Cys
65					70					75					80

Thr	Asp	Ile	Pro	Trp	Leu	Leu	Leu	Phe	Ile	Leu	Phe	Cys	Ile	Gly	Met
				85					90					95	

Gly	Phe	Ile	Cys	Gly	Phe	Ser	Ile	Ala	Thr	Gly	Ala	Ala	Ala	Arg	Leu
			100					105					110		

Val	Ser	Gly	Tyr	Asp	Ser	Tyr	Gly	Asn	Ile	Cys	Gly	Gln	Lys	Asn	Thr
		115					120					125			

Lys	Leu	Glu	Ala	Ile	Pro	Asn	Ser	Gly	Met	Asp	His	Thr	Gln	Arg	Lys
	130					135					140				

Tyr	Val	Phe	Phe	Leu	Asp	Pro	Cys	Asn	Leu	Asp	Leu	Ile	Asn	Arg	Lys
145					150					155					160

Ile	Lys	Ser	Val	Ala	Leu	Cys	Val	Ala	Ala	Cys	Pro	Arg	Gln	Glu	Leu
				165					170					175	

Lys	Thr	Leu	Ser	Asp	Val	Gln	Lys	Phe	Ala	Glu	Ile	Asn	Gly	Ser	Ala
			180					185					190		

Leu	Cys	Ser	Tyr	Asn	Leu	Lys	Pro	Ser	Glu	Tyr	Thr	Thr	Ser	Pro	Lys
		195					200					205			

5629

Ser	Ser	Val	Leu	Cys	Pro	Lys	Leu	Pro	Val	Pro	Ala	Ser	Ala	Pro	Ile
210						215					220				
Pro	Phe	Phe	His	Arg	Cys	Ala	Pro	Val	Asn	Ile	Ser	Cys	Tyr	Ala	Lys
225					230					235					240
Phe	Ala	Glu	Ala	Leu	Ile	Thr	Phe	Val	Ser	Asp	Asn	Ser	Val	Leu	His
				245					250					255	
Arg	Leu	Ile	Ser	Gly	Val	Met	Thr	Ser	Lys	Glu	Ile	Ile	Leu	Gly	Leu
			260					265					270		
Cys	Leu	Leu	Ser	Leu	Val	Leu	Ser	Met	Ile	Leu	Met	Val	Ile	Ile	Arg
	275						280					285			
Tyr	Ile	Ser	Arg	Val	Leu	Val	Trp	Ile	Leu	Thr	Ile	Leu	Val	Ile	Leu
290						295					300				
Gly	Ser	Leu	Gly	Gly	Thr	Gly	Val	Leu	Trp	Trp	Leu	Tyr	Ala	Lys	Gln
305					310					315					320
Arg	Arg	Ser	Pro	Lys	Glu	Thr	Val	Thr	Pro	Glu	Gln	Leu	Gln	Ile	Ala
				325					330					335	
Glu	Asp	Asn	Leu	Arg	Ala	Leu	Leu	Ile	Tyr	Ala	Ile	Ser	Ala	Thr	Val
			340					345					350		
Phe	Thr	Val	Ile	Leu	Phe	Leu	Ile	Met	Leu	Val	Met	Arg	Lys	Arg	Val
		355					360					365			
Ala	Leu	Thr	Ile	Ala	Leu	Phe	His	Val	Ala	Gly	Lys	Val	Phe	Ile	His
370						375					380				
Leu	Pro	Leu	Leu	Val	Phe	Gln	Pro	Phe	Trp	Thr	Phe	Phe	Ala	Leu	Val
385					390					395					400
Leu	Phe	Trp	Val	Tyr	Trp	Ile	Met	Thr	Leu	Leu	Phe	Leu	Gly	Thr	Thr
			405						410					415	
Gly	Ser	Pro	Val	Gln	Asn	Glu	Gln	Gly	Phe	Val	Glu	Phe	Lys	Ile	Ser
			420					425					430		
Gly	Pro	Leu	Gln	Tyr	Met	Trp	Trp	Tyr	His	Val	Val	Gly	Leu	Ile	Trp
		435					440					445			
Ile	Ser	Glu	Phe	Ile	Leu	Ala	Cys	Gln	Gln	Met	Thr	Val	Ala	Gly	Ala
450						455					460				
Val	Val	Thr	Tyr	Tyr	Phe	Thr	Arg	Asp	Lys	Arg	Asn	Leu	Pro	Phe	Thr
465					470					475					480

5630

Pro	Ile	Leu	Ala	Ser	Val	Asn	Arg	Leu	Ile	Arg	Tyr	His	Leu	Gly	Thr			
				485					490					495				
Val	Ala	Lys	Gly	Ser	Phe	Ile	Ile	Thr	Leu	Val	Lys	Ile	Pro	Arg	Met			
			500					505					510					
Ile	Leu	Met	Tyr	Ile	His	Ser	Gln	Leu	Lys	Gly	Lys	Glu	Asn	Ala	Cys			
		515					520					525						
Ala	Arg	Cys	Val	Leu	Lys	Ser	Cys	Ile	Cys	Cys	Leu	Trp	Cys	Leu	Glu			
		530				535					540							
Lys	Cys	Leu	Asn	Tyr	Leu	Asn	Gln	Asn	Ala	Tyr	Thr	Ala	Thr	Ala	Ile			
545					550					555					560			
Asn	Ser	Thr	Asn	Phe	Cys	Thr	Ser	Ala	Lys	Asp	Ala	Phe	Val	Ile	Leu			
				565					570					575				
Val	Glu	Asn	Ala	Leu	Arg	Val	Ala	Thr	Ile	Asn	Thr	Val	Gly	Asp	Phe			
			580					585					590					
Met	Leu	Phe	Leu	Gly	Lys	Val	Leu	Ile	Val	Cys	Ser	Thr	Gly	Leu	Ala			
		595					600					605						
Gly	Ile	Met	Leu	Leu	Asn	Tyr	Gln	Gln	Asp	Tyr	Thr	Val	Trp	Val	Leu			
	610					615					620							
Pro	Leu	Ile	Ile	Val	Cys	Leu	Phe	Ala	Phe	Leu	Val	Ala	His	Cys	Phe			
625					630					635					640			
Leu	Ser	Ile	Tyr	Glu	Met	Val	Val	Asp	Val	Leu	Phe	Leu	Cys	Phe	Ala			
				645					650					655				
Ile	Asp	Thr	Lys	Tyr	Asn	Asp	Gly	Ser	Pro	Gly	Arg	Glu	Phe	Tyr	Met			
			660					665					670					
Asp	Lys	Val	Leu	Met	Glu	Phe	Val	Glu	Asn	Ser	Arg	Lys	Ala	Met	Lys			
		675					680					685						
Glu	Ala	Gly	Lys	Gly	Gly	Val	Ala	Asp	Ser	Arg	Glu	Leu	Lys	Pro	Met			
	690					695					700							
Leu	Lys	Lys	Arg															
705																		

<210> 6381

<211> 625

<212> PRT

<213> Homo sapiens

5631

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (231)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (278)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (279)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (440)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6381
 Ala Val Arg Leu Pro Ala Ala Tyr Ile Lys Ala Pro Gly His Ala Glu
 1 5 10 15
 Pro Ser Ser Arg Thr Arg Pro Thr Thr Met Arg Ser Cys Leu Trp Arg
 20 25 30
 Cys Arg His Leu Ser Gln Gly Val Gln Trp Ser Leu Leu Leu Ala Val
 35 40 45
 Leu Val Phe Phe Leu Phe Ala Leu Pro Ser Phe Ile Lys Glu Pro Gln
 50 55 60
 Thr Lys Pro Ser Arg His Gln Arg Thr Glu Asn Ile Lys Glu Arg Ser
 65 70 75 80
 Leu Gln Ser Leu Ala Lys Pro Lys Ser Gln Ala Pro Thr Arg Ala Arg
 85 90 95
 Arg Thr Thr Ile Tyr Ala Glu Pro Xaa Pro Glu Asn Asn Ala Leu Asn

5632

100	105	110
Thr Gln Thr Gln Pro Lys Ala His Thr Thr Gly Asp Arg Gly Lys Glu		
115	120	125
Ala Asn Gln Ala Pro Pro Glu Glu Gln Asp Lys Val Pro His Thr Ala		
130	135	140
Gln Arg Ala Ala Trp Lys Ser Pro Glu Lys Glu Lys Thr Met Val Asn		
145	150	155
Thr Leu Ser Pro Arg Gly Gln Asp Ala Gly Met Ala Ser Gly Arg Thr		
	165	170
Glu Ala Gln Ser Trp Lys Ser Gln Asp Thr Lys Thr Thr Gln Gly Asn		
	180	185
Gly Gly Gln Thr Arg Lys Leu Thr Ala Ser Arg Thr Val Ser Glu Lys		
	195	200
His Gln Gly Lys Ala Ala Thr Thr Ala Lys Thr Leu Ile Xaa Lys Ser		
	210	215
Gln His Arg Met Leu Ala Xaa Thr Gly Ala Val Ser Thr Arg Thr Arg		
	225	230
Gln Lys Gly Val Thr Thr Ala Val Ile Pro Pro Lys Glu Lys Lys Pro		
	245	250
Gln Ala Thr Pro Pro Pro Ala Pro Phe Gln Ser Pro Thr Thr Gln Arg		
	260	265
Asn Gln Arg Leu Lys Xaa Xaa Asn Phe Lys Ser Glu Pro Arg Trp Asp		
	275	280
Phe Glu Glu Lys Tyr Ser Phe Glu Ile Gly Gly Leu Gln Thr Thr Cys		
	290	295
Pro Asp Ser Val Lys Ile Lys Ala Ser Lys Ser Leu Trp Leu Gln Lys		
	305	310
Leu Phe Leu Pro Asn Leu Thr Leu Phe Leu Asp Ser Arg His Phe Asn		
	325	330
Gln Ser Glu Trp Asp Arg Leu Glu His Phe Ala Pro Pro Phe Gly Phe		
	340	345
Met Glu Leu Asn Tyr Ser Leu Val Gln Lys Val Val Thr Arg Phe Pro		
	355	360
Pro Val Pro Gln Gln Gln Leu Leu Leu Ala Ser Leu Pro Ala Gly Ser		

5633

370		375		380	
Leu Arg Cys Ile Thr Cys Ala Val Val Gly Asn Gly Gly Ile Leu Asn					
385		390		395	400
Asn Ser His Met Gly Gln Glu Ile Asp Ser His Asp Tyr Val Phe Arg					
		405		410	415
Leu Ser Gly Ala Leu Ile Lys Gly Tyr Glu Gln Asp Val Gly Thr Arg					
		420		425	430
Thr Ser Phe Tyr Gly Phe Thr Xaa Phe Ser Leu Thr Gln Ser Leu Leu					
		435		440	445
Ile Leu Gly Asn Arg Gly Phe Lys Asn Val Pro Leu Gly Lys Asp Val					
		450		455	460
Arg Tyr Leu His Phe Leu Glu Gly Thr Arg Asp Tyr Glu Trp Leu Glu					
465		470		475	480
Ala Leu Leu Met Asn Gln Thr Val Met Ser Lys Asn Leu Phe Trp Phe					
		485		490	495
Arg His Arg Pro Gln Glu Ala Phe Arg Glu Ala Leu His Met Asp Arg					
		500		505	510
Tyr Leu Leu Leu His Pro Asp Phe Leu Arg Tyr Met Lys Asn Arg Phe					
		515		520	525
Leu Arg Ser Lys Thr Leu Asp Gly Ala His Trp Arg Ile Tyr Arg Pro					
		530		535	540
Thr Thr Gly Ala Leu Leu Leu Leu Thr Ala Leu Gln Leu Cys Asp Gln					
545		550		555	560
Val Ser Ala Tyr Gly Phe Ile Thr Glu Gly His Glu Arg Phe Ser Asp					
		565		570	575
His Tyr Tyr Asp Thr Ser Trp Lys Arg Leu Ile Phe Tyr Ile Asn His					
		580		585	590
Asp Phe Lys Leu Glu Arg Glu Val Trp Lys Arg Leu His Asp Glu Gly					
		595		600	605
Ile Ile Arg Leu Tyr Gln Arg Pro Gly Pro Gly Thr Ala Lys Ala Lys					
		610		615	620
Asn					
625					

5634

<210> 6382

<211> 299

<212> PRT

<213> Homo sapiens

<400> 6382

Gln Met Glu Lys Lys Glu Cys Pro Glu Lys Ser Ser Ser Ser Glu Glu
 1 5 10 15

Glu Leu Pro Arg Arg Val Tyr Arg Glu Leu Pro Cys Val Ser Glu Thr
 20 25 30

Leu Cys Asp Ile Ser His Phe Phe Gln Glu Asp Asp Glu Thr Glu Ala
 35 40 45

Glu Pro Leu Leu Phe Arg Ala Val Pro Glu Cys Gln Leu Ser Gly Gly
 50 55 60

Asp Ile Pro Ser Val Ser Glu Glu Gln Glu Ser Ser Glu Gly Gln Asp
 65 70 75 80

Ser Gly Asp Ile Cys Ser Glu Glu Asn Gln Ile Val Ser Ser Tyr Ala
 85 90 95

Ser Lys Val Cys Phe Glu Ile Glu Glu Asp Tyr Lys Asn Arg Gln Phe
 100 105 110

Leu Gly Pro Glu Gly Asn Val Asp Val Glu Leu Ile Asp Lys Ser Thr
 115 120 125

Asn Arg Tyr Ser Val Trp Phe Pro Thr Ala Gly Trp Tyr Leu Trp Ser
 130 135 140

Ala Thr Gly Leu Gly Phe Leu Val Arg Asp Glu Val Thr Val Thr Ile
 145 150 155 160

Ala Phe Gly Ser Trp Ser Gln His Leu Ala Leu Asp Leu Gln His His
 165 170 175

Glu Gln Trp Leu Val Gly Gly Pro Leu Phe Asp Val Thr Ala Glu Pro
 180 185 190

Glu Glu Ala Val Ala Glu Ile His Leu Pro His Phe Ile Ser Leu Gln
 195 200 205

Ala Gly Glu Val Asp Val Ser Trp Phe Leu Val Ala His Phe Lys Asn
 210 215 220

Glu Gly Met Val Leu Glu His Pro Ala Arg Val Glu Pro Phe Tyr Ala
 225 230 235 240

5635

Val Leu Glu Ser Pro Ser Phe Ser Leu Met Gly Ile Leu Leu Arg Ile
 245 250 255

Ala Ser Gly Thr Arg Leu Ser Ile Pro Ile Thr Ser Asn Thr Leu Ile
 260 265 270

Tyr Tyr His Pro His Pro Glu Asp Ile Lys Phe His Leu Tyr Leu Val
 275 280 285

Pro Ser Asp Ala Leu Leu Thr Lys Thr Leu Phe
 290 295

<210> 6383

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6383

Glu Thr Arg Val Lys Thr Ser Leu Glu Leu Leu Arg Thr Gln Leu Glu
 1 5 10 15

Pro Thr Gly Thr Val Gly Asn Thr Ile Met Thr Ser Gln Pro Val Pro
 20 25 30

Asn Glu Thr Ile Ile Val Leu Pro Ser Asn Val Ile Asn Phe Ser Gln
 35 40 45

Ala Glu Lys Pro Glu Pro Thr Asn Gln Gly Gln Asp Ser Leu Lys Lys
 50 55 60

His Leu His Ala Glu Ile Lys Val Ile Gly Thr Ile Gln Ile Leu Cys
 65 70 75 80

Gly Met Met Val Leu Ser Leu Gly Ile Ile Leu Ala Ser Ala Ser Phe
 85 90 95

Ser Pro Asn Phe Thr Gln Val Thr Ser Thr Leu Leu Asn Ser Ala Tyr
 100 105 110

Pro Phe Ile Gly Pro Phe Phe Phe Ile Ile Ser Gly Ser Leu Ser Ile
 115 120 125

Ala Thr Glu Lys Arg Leu Thr Lys Leu Leu Val His Ser Ser Leu Val

5636

130	135	140
Gly Ser Ile Leu Ser Ala Leu Ser Ala Leu Val Gly Phe Ile Ile Leu		
145	150	155 160
Ser Val Lys Gln Ala Thr Leu Asn Pro Ala Ser Leu Gln Cys Glu Leu		
	165	170 175
Asp Lys Asn Asn Ile Pro Thr Arg Ser Tyr Val Ser Tyr Phe Tyr His		
	180	185 190
Asp Ser Leu Tyr Thr Thr Asp Cys Tyr Thr Ala Lys Ala Ser Leu Ala		
	195	200 205
Gly Xaa Leu Ser Leu Met Leu Ile Cys Thr Leu Leu Glu Phe Cys Leu		
	210	215 220
Ala Val Leu Thr Ala Val Leu Arg Trp Lys Gln Ala Tyr Ser Asp Phe		
	225	230 235 240
Pro Gly Ser Val Leu Phe Leu Pro His Ser Tyr Ile Gly Asn Ser Gly		
	245	250 255
Met Ser Ser Lys Met Thr His Asp Cys Gly Tyr Glu Glu Leu Leu Thr		
	260	265 270

Ser

<210> 6384

<211> 166

<212> PRT

<213> Homo sapiens

<400> 6384

Leu His Pro Gln Gly Arg Arg Lys Met Ala Ser Arg Ser Met Arg Leu
1 5 10 15
Leu Leu Leu Leu Ser Cys Leu Ala Lys Thr Gly Val Leu Gly Asp Ile
20 25 30
Ile Met Arg Pro Ser Cys Ala Pro Gly Trp Phe Tyr His Lys Ser Asn
35 40 45
Cys Tyr Gly Tyr Phe Arg Lys Leu Arg Asn Trp Ser Asp Ala Glu Leu
50 55 60
Glu Cys Gln Ser Tyr Gly Asn Gly Ala His Leu Ala Ser Ile Leu Ser
65 70 75 80

5637

Leu	Lys	Glu	Ala	Ser	Thr	Ile	Ala	Glu	Tyr	Ile	Ser	Gly	Tyr	Gln	Arg		
				85						90						95	
Ser	Gln	Pro	Ile	Trp	Ile	Gly	Leu	His	Asp	Pro	Gln	Lys	Arg	Gln	Gln		
				100						105						110	
Trp	Gln	Trp	Ile	Asp	Gly	Ala	Met	Tyr	Leu	Tyr	Arg	Ser	Trp	Ser	Gly		
				115						120						125	
Lys	Ser	Met	Gly	Gly	Asn	Lys	His	Cys	Ala	Glu	Met	Ser	Ser	Asn	Asn		
				130						135						140	
Asn	Phe	Leu	Thr	Trp	Ser	Ser	Asn	Glu	Cys	Asn	Lys	Arg	Gln	His	Phe		
145								150						155		160	
Leu	Cys	Lys	Tyr	Arg	Pro												
165																	

<210> 6385

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

$\langle 222 \rangle$ (1)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6385

Xaa	Pro	Gly	Arg	Thr	Ser	Xaa	Thr	Pro	His	Pro	Ser	Arg	Arg	Leu	Thr
1				5					10					15	
Gln	Gly	Arg	Trp	Val	Arg	Lys	Ser	Arg	Val	Ala	Met	Glu	Lys	Ile	Pro
			20					25					30		
Val	Ser	Ala	Phe	Leu	Leu	Leu	Val	Ala	Leu	Ser	Tyr	Thr	Leu	Ala	Arg
		35					40					45			
Asp	Thr	Thr	Val	Lys	Pro	Gly	Ala	Lys	Lys	Asp	Thr	Lys	Asp	Ser	Arg
	50					55					60				
Pro	Lys	Leu	Pro	Gln	Thr	Leu	Ser	Arg	Gly	Trp	Gly	Asp	Gln	Leu	Ile
65					70					75					80

5638

Trp	Thr	Gln	Thr	Tyr	Glu	Glu	Ala	Leu	Tyr	Lys	Ser	Lys	Thr	Ser	Asn
				85					90					95	
Lys	Pro	Leu	Met	Ile	Ile	His	His	Leu	Asp	Glu	Cys	Pro	His	Ser	Gln
			100					105					110		
Ala	Leu	Lys	Lys	Val	Phe	Ala	Glu	Asn	Lys	Glu	Ile	Gln	Lys	Leu	Ala
		115					120					125			
Glu	Gln	Phe	Val	Leu	Leu	Asn	Leu	Val	Tyr	Glu	Thr	Thr	Asp	Lys	His
	130					135					140				
Leu	Ser	Pro	Asp	Gly	Gln	Tyr	Val	Pro	Arg	Ile	Met	Phe	Val	Asp	Pro
145					150					155					160
Ser	Leu	Thr	Val	Arg	Ala	Asp	Ile	Thr	Gly	Arg	Tyr	Ser	Asn	Arg	Leu
			165						170					175	
Tyr	Ala	Tyr	Glu	Pro	Ala	Asp	Thr	Ala	Leu	Leu	Leu	Asp	Asn	Met	Lys
			180					185					190		
Lys	Ala	Leu	Lys	Leu	Leu	Lys	Thr	Glu	Leu						
		195					200								

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<210> 6386
<211> 251
<212> PRT
<213> Homo sapiens
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<400> 6386
Arg Ser Gly Ser Leu Met Ala Ala Ala Ala Ala Thr Lys Ile Leu Leu
  1                      5                      10                      15
Cys Leu Pro Leu Leu Leu Leu Leu Ser Gly Trp Ser Arg Ala Gly Arg
      20                      25                      30
Ala Asp Pro His Ser Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe
      35                      40                      45
Arg Pro Gly Pro Arg Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys
      50                      55                      60
Thr Phe Leu His Tyr Asp Cys Gly Asn Lys Thr Val Thr Pro Val Ser
      65                      70                      75                      80
Pro Leu Gly Lys Lys Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn
      85                      90                      95

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5639

Pro Val Leu Arg Glu Val Val Asp Ile Leu Thr Glu Gln Leu Arg Asp
 100 105 110
 Ile Gln Leu Glu Asn Tyr Thr Pro Lys Glu Pro Leu Thr Leu Gln Ala
 115 120 125
 Arg Met Ser Cys Glu Gln Lys Ala Glu Gly His Ser Ser Gly Ser Trp
 130 135 140
 Gln Phe Ser Phe Asp Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Lys
 145 150 155 160
 Arg Met Trp Thr Thr Val His Pro Gly Ala Arg Lys Met Lys Glu Lys
 165 170 175
 Trp Glu Asn Asp Lys Val Val Ala Met Ser Phe His Tyr Phe Ser Met
 180 185 190
 Gly Asp Cys Ile Gly Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser
 195 200 205
 Thr Leu Glu Pro Ser Ala Gly Ala Pro Leu Ala Met Ser Ser Gly Thr
 210 215 220
 Thr Gln Leu Arg Ala Thr Ala Thr Thr Leu Ile Leu Cys Cys Leu Leu
 225 230 235 240
 Ile Ile Leu Pro Cys Phe Ile Leu Pro Gly Ile
 245 250

<210> 6387

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6387

Arg Asp Pro Pro Arg Pro Val Gln Ser Gly Leu Gly Ala Ala Gly Thr
 1 5 10 15
 Leu Ser Trp Leu Pro Pro Pro Glu Gln Pro Val Leu Val Pro Arg Leu
 20 25 30
 Pro Ala Pro Arg Pro Val Met Thr Leu Arg Pro Ser Leu Leu Pro Leu
 35 40 45

5640

His Leu Leu Leu Leu Leu Leu Leu Ser Ala Ala Val Cys Arg Ala Glu
 50 55 60
 Ala Gly Leu Glu Thr Glu Ser Pro Val Arg Thr Leu Gln Val Glu Thr
 65 70 75 80
 Leu Val Glu Pro Pro Glu Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp
 85 90 95
 Thr Leu His Ile His Tyr Thr Gly Ser Leu Val Asp Gly Arg Ile Ile
 100 105 110
 Asp Thr Ser Leu Thr Arg Asp Pro Leu Val Ile Glu Leu Gly Gln Lys
 115 120 125
 Gln Val Ile Pro Gly Leu Glu Gln Ser Leu Leu Asp Met Cys Val Gly
 130 135 140
 Glu Lys Arg Arg Ala Ile Ile Pro Ser His Leu Ala Tyr Gly Lys Arg
 145 150 155 160
 Gly Phe Pro Pro Ser Val Pro Ala Asp Ala Val Val Gln Tyr Asp Val
 165 170 175
 Glu Leu Ile Ala Leu Ile Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys
 180 185 190
 Gly Ile Leu Pro Leu Val Gly Met Ala Met Val Pro Xaa Ser Trp Ala
 195 200 205
 Ser Leu Gly Ile Thr Tyr Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro
 210 215 220
 Lys Arg Ser Ser Arg Lys Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn
 225 230 235 240
 Lys

<210> 6388

<211> 223

<212> PRT

<213> Homo sapiens

<400> 6388

Gly Phe Leu Leu His Pro Val Tyr Leu Leu Arg Val Ser Phe Pro Leu
 1 5 10 15

5641

Pro Thr Pro Ala Gly Gln Ser Trp Ala Pro Ala Pro Glu His Ser Arg
 20 25 30
 Ala Ala Arg Val Ser Arg Leu Glu Thr His Asp Thr Lys Glu Ile Gln
 35 40 45
 Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
 50 55 60
 Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
 65 70 75 80
 Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
 85 90 95
 Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
 100 105 110
 Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
 115 120 125
 Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
 130 135 140
 Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
 145 150 155 160
 Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg Asp
 165 170 175
 Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro Phe
 180 185 190
 Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly Trp
 195 200 205
 Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe
 210 215 220

<210> 6389

<211> 268

<212> PRT

<213> Homo sapiens

<400> 6389

Pro Gly Ser Asp Val Ala Phe His Phe Asn Pro Arg Phe Asp Gly Trp
 1 5 10 15

Asp Lys Val Val Phe Asn Thr Leu Gln Gly Gly Lys Trp Gly Ser Glu

5642

20					25					30					
Glu	Arg	Lys	Arg	Ser	Met	Pro	Phe	Lys	Lys	Gly	Ala	Ala	Phe	Glu	Leu
		35					40					45			
Val	Phe	Ile	Val	Leu	Ala	Glu	His	Tyr	Lys	Val	Val	Val	Asn	Gly	Asn
	50					55					60				
Pro	Phe	Tyr	Glu	Tyr	Gly	His	Arg	Leu	Pro	Leu	Gln	Met	Val	Thr	His
65					70					75				80	
Leu	Gln	Val	Asp	Gly	Asp	Leu	Gln	Leu	Gln	Ser	Ile	Asn	Phe	Ile	Gly
				85					90					95	
Gly	Gln	Pro	Leu	Arg	Pro	Gln	Gly	Pro	Pro	Met	Met	Pro	Pro	Tyr	Pro
			100					105					110		
Gly	Pro	Gly	His	Cys	His	Gln	Gln	Leu	Asn	Ser	Leu	Pro	Thr	Met	Glu
		115					120					125			
Gly	Pro	Pro	Thr	Phe	Asn	Pro	Pro	Val	Pro	Tyr	Phe	Gly	Arg	Leu	Gln
	130					135					140				
Gly	Gly	Leu	Thr	Ala	Arg	Arg	Thr	Ile	Ile	Ile	Lys	Gly	Tyr	Val	Pro
145					150					155					160
Pro	Thr	Gly	Lys	Ser	Phe	Ala	Ile	Asn	Phe	Lys	Val	Gly	Ser	Ser	Gly
				165					170					175	
Asp	Ile	Ala	Leu	His	Ile	Asn	Pro	Arg	Met	Gly	Asn	Gly	Thr	Val	Val
			180					185					190		
Arg	Asn	Ser	Leu	Leu	Asn	Gly	Ser	Trp	Gly	Ser	Glu	Glu	Lys	Lys	Ile
		195					200					205			
Thr	His	Asn	Pro	Phe	Gly	Pro	Gly	Gln	Phe	Phe	Asp	Leu	Ser	Ile	Arg
	210					215					220				
Cys	Gly	Leu	Asp	Arg	Phe	Lys	Val	Tyr	Ala	Asn	Gly	Gln	His	Leu	Phe
225					230					235				240	
Asp	Phe	Ala	His	Arg	Leu	Ser	Ala	Phe	Gln	Arg	Val	Asp	Thr	Leu	Glu
				245					250					255	
Ile	Gln	Gly	Asp	Val	Thr	Leu	Ser	Tyr	Val	Gln	Ile				
		260						265							

<210> 6390

<211> 279

5643

<212> PRT

<213> Homo sapiens

<400> 6390

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Pro Arg Val Arg Pro Arg Val Arg Trp Thr Ala Ala Met Arg Leu Thr
 1             5             10             15

Val Leu Cys Ala Val Cys Leu Leu Pro Gly Ser Leu Ala Leu Pro Leu
          20             25             30

Pro Gln Glu Ala Gly Gly Met Ser Glu Leu Gln Trp Glu Gln Ala Gln
          35             40             45

Asp Tyr Leu Lys Arg Phe Tyr Leu Tyr Asp Ser Glu Thr Lys Asn Ala
 50             55             60

Asn Ser Leu Glu Ala Lys Leu Lys Glu Met Gln Lys Phe Phe Gly Leu
 65             70             75             80

Pro Ile Thr Gly Met Leu Asn Ser Arg Val Ile Glu Ile Met Gln Lys
          85             90             95

Pro Arg Cys Gly Val Pro Asp Val Ala Glu Tyr Ser Leu Phe Pro Asn
          100             105             110

Ser Pro Lys Trp Thr Ser Lys Val Val Thr Tyr Arg Ile Val Ser Tyr
          115             120             125

Thr Arg Asp Leu Pro His Ile Thr Val Asp Arg Leu Val Ser Lys Ala
          130             135             140

Leu Asn Met Trp Gly Lys Glu Ile Pro Leu His Phe Arg Lys Val Val
          145             150             155             160

Trp Gly Thr Ala Asp Ile Met Ile Gly Phe Ala Arg Gly Ala His Gly
          165             170             175

Asp Ser Tyr Pro Phe Asp Gly Pro Gly Asn Thr Leu Ala His Ala Phe
          180             185             190

Ala Pro Gly Thr Gly Leu Gly Gly Asp Ala His Phe Asp Glu Asp Glu
          195             200             205

Arg Trp Thr Asp Gly Ser Ser Leu Gly Ile Asn Phe Leu Tyr Ala Ala
          210             215             220

Thr His Glu Leu Gly His Ser Leu Gly Met Gly His Ser Ser Asp Pro
          225             230             235             240

Asn Ala Val Met Tyr Pro Thr Tyr Gly Asn Gly Asp Pro Gln Asn Phe
          245             250             255

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5644

Lys Leu Ser Gln Asp Asp Ile Lys Gly Ile Gln Lys Leu Tyr Gly Lys
 260 265 270

Arg Ser Asn Ser Arg Lys Lys
 275

<210> 6391

<211> 245

<212> PRT

<213> Homo sapiens

<400> 6391

Leu Gln Phe Ser Arg Glu Glu Ala Gly Val Asp Leu Val Ser Pro Thr
 1 5 10 15

Pro Leu Thr Pro Pro Asp Pro Gly Ala Ala Ser Ala Thr Ala Thr Ala
 20 25 30

Pro Ala Pro Ala Ala Ala Arg Arg Gly Glu Ala Met Ala Lys Val Ser
 35 40 45

Val Leu Asn Val Ala Val Leu Glu Asn Pro Ser Pro Phe His Ser Pro
 50 55 60

Phe Arg Phe Glu Ile Ser Phe Glu Cys Ser Glu Ala Leu Ala Asp Asp
 65 70 75 80

Leu Glu Trp Lys Ile Ile Tyr Val Gly Ser Ala Glu Ser Glu Glu Phe
 85 90 95

Asp Gln Ile Leu Asp Ser Val Leu Val Gly Pro Val Pro Ala Gly Arg
 100 105 110

His Met Phe Val Phe Gln Ala Asp Ala Pro Asn Pro Ser Leu Ile Pro
 115 120 125

Glu Thr Asp Ala Val Gly Val Thr Val Val Leu Ile Thr Cys Thr Tyr
 130 135 140

His Gly Gln Glu Phe Ile Arg Val Gly Tyr Tyr Val Asn Asn Glu Tyr
 145 150 155 160

Leu Asn Pro Glu Leu Arg Glu Asn Pro Pro Met Lys Pro Asp Phe Ser
 165 170 175

Gln Leu Gln Arg Asn Ile Leu Ala Ser Asn Pro Arg Val Thr Arg Phe
 180 185 190

5645

His Ile Asn Trp Asp Asn Asn Met Asp Arg Leu Glu Ala Ile Glu Thr
 195 200 205

Gln Asp Pro Ser Leu Gly Cys Gly Leu Pro Leu Asn Cys Thr Pro Ile
 210 215 220

Lys Gly Leu Gly Leu Pro Gly Cys Ile Pro Gly Leu Leu Pro Glu Asn
 225 230 235 240

Ser Met Asp Cys Ile
 245

<210> 6392

<211> 472

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6392

Leu Lys Gly Glu Gln Gly Glu Arg Gly Gln Trp Pro Glu Arg Ala Leu
 1 5 10 15

Gly Thr Gly Gly Thr Leu Phe Phe Leu Pro Arg Gly Pro Trp Ala Asp
 20 25 30

Gly Ile Thr Gln Lys Asn Ala Arg Glu Ala Ala Phe Glu Lys Gly Ser
 35 40 45

His Tyr Pro Arg Ala Gln Thr Glu Arg Met Glu Leu Arg Lys Tyr Gly
 50 55 60

Pro Gly Arg Leu Ala Gly Thr Val Ile Gly Gly Ala Ala Gln Ser Lys
 65 70 75 80

Ser Gln Thr Lys Ser Asp Ser Ile Thr Lys Glu Phe Leu Pro Gly Leu
 85 90 95

Tyr Thr Ala Pro Ser Ser Pro Phe Pro Pro Ser Gln Val Ser Asp His
 100 105 110

5646

Gln Val Leu Asn Asp Ala Glu Val Ala Ala Leu Leu Glu Asn Phe Ser	115	120	125
Ser Ser Tyr Asp Tyr Gly Glu Asn Glu Ser Xaa Ser Cys Cys Thr Ser	130	135	140
Pro Pro Cys Pro Gln Asp Phe Ser Leu Asn Phe Asp Arg Ala Phe Leu	145	150	155
Pro Ala Leu Xaa Ser Leu Leu Phe Leu Leu Gly Leu Leu Gly Asn Gly	165	170	175
Ala Val Ala Ala Val Leu Leu Ser Arg Arg Thr Ala Leu Ser Ser Thr	180	185	190
Asp Thr Phe Leu Leu His Leu Ala Val Ala Asp Thr Leu Leu Val Leu	195	200	205
Thr Leu Pro Leu Trp Ala Val Asp Ala Ala Val Gln Trp Val Phe Gly	210	215	220
Ser Gly Leu Cys Lys Val Ala Gly Ala Leu Phe Asn Ile Asn Phe Tyr	225	230	235
Ala Gly Ala Leu Leu Leu Ala Cys Ile Ser Phe Asp Arg Tyr Leu Asn	245	250	255
Ile Val His Ala Thr Gln Leu Tyr Arg Arg Gly Pro Pro Ala Arg Val	260	265	270
Thr Leu Thr Cys Leu Ala Val Trp Gly Leu Cys Leu Leu Phe Ala Leu	275	280	285
Pro Asp Phe Ile Phe Leu Ser Ala His His Asp Glu Arg Leu Asn Ala	290	295	300
Thr His Cys Gln Tyr Asn Phe Pro Gln Val Gly Arg Thr Ala Leu Arg	305	310	315
Val Leu Gln Leu Val Ala Gly Phe Leu Leu Pro Leu Leu Val Met Ala	325	330	335
Tyr Cys Tyr Ala His Ile Leu Ala Val Leu Leu Val Ser Arg Gly Gln	340	345	350
Arg Arg Leu Arg Ala Met Arg Leu Val Val Val Val Val Val Ala Phe	355	360	365
Ala Leu Cys Trp Thr Pro Tyr His Leu Val Val Leu Val Asp Ile Leu	370	375	380

5647

Met Asp Leu Gly Ala Leu Ala Arg Asn Cys Gly Arg Glu Ser Arg Val
 385 390 395 400

Asp Val Ala Lys Ser Val Thr Ser Gly Leu Gly Tyr Met His Cys Cys
 405 410 415

Leu Asn Pro Leu Leu Tyr Ala Phe Val Gly Val Lys Phe Arg Glu Arg
 420 425 430

Met Trp Met Leu Leu Leu Arg Leu Gly Cys Pro Asn Gln Arg Gly Leu
 435 440 445

Gln Arg Gln Pro Ser Ser Ser Arg Arg Asp Ser Ser Trp Ser Glu Thr
 450 455 460

Ser Glu Ala Ser Tyr Ser Gly Leu
 465 470

<210> 6393

<211> 231

<212> PRT

<213> Homo sapiens

<400> 6393

Ala Arg Glu Met Ala Ala Gln Gln Arg Asp Cys Gly Gly Ala Ala Gln
 1 5 10 15

Leu Ala Gly Pro Ala Ala Glu Ala Asp Pro Leu Gly Arg Phe Thr Cys
 20 25 30

Pro Val Cys Leu Glu Val Tyr Glu Lys Pro Val Gln Val Pro Cys Gly
 35 40 45

His Val Phe Cys Ser Ala Cys Leu Gln Glu Cys Leu Lys Pro Lys Lys
 50 55 60

Pro Val Cys Gly Val Cys Arg Ser Ala Leu Ala Pro Gly Val Arg Ala
 65 70 75 80

Val Glu Leu Glu Arg Gln Ile Glu Ser Thr Glu Thr Ser Cys His Gly
 85 90 95

Cys Arg Lys Asn Phe Phe Leu Ser Lys Ile Arg Ser His Val Ala Thr
 100 105 110

Cys Ser Lys Tyr Gln Asn Tyr Ile Met Glu Gly Val Lys Ala Thr Ile
 115 120 125

Lys Asp Ala Ser Leu Gln Pro Arg Asn Val Pro Asn Arg Tyr Thr Phe

5648

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130              135              140
Pro Cys Pro Tyr Cys Pro Glu Lys Asn Phe Asp Gln Glu Gly Leu Val
145              150              155              160
Glu His Cys Lys Leu Phe His Ser Thr Asp Thr Lys Ser Val Val Cys
165              170              175
Pro Ile Cys Ala Ser Met Pro Trp Gly Asp Pro Asn Tyr Arg Ser Ala
180              185              190
Asn Phe Arg Glu His Ile Gln Arg Arg His Arg Phe Ser Tyr Asp Thr
195              200              205
Phe Val Asp Tyr Asp Val Asp Glu Glu Asp Met Met Asn Gln Val Leu
210              215              220
Gln Arg Ser Ile Ile Asp Gln
225              230

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<210> 6394

<211> 625

<212> PRT

<213> Homo sapiens

<400> 6394

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Ala Val Arg Leu Pro Ala Ala Tyr Ile Lys Ala Pro Gly His Ala Glu
1      5      10      15
Pro Ser Ser Arg Thr Arg Pro Thr Thr Met Arg Ser Cys Leu Trp Arg
20      25      30
Cys Arg His Leu Ser Gln Gly Val Gln Trp Ser Leu Leu Leu Ala Val
35      40      45
Leu Val Phe Phe Leu Phe Ala Leu Pro Ser Phe Ile Lys Glu Pro Gln
50      55      60
Thr Lys Pro Ser Arg His Gln Arg Thr Glu Asn Ile Lys Glu Arg Ser
65      70      75      80
Leu Gln Ser Leu Ala Lys Pro Lys Ser Gln Ala Pro Thr Arg Ala Arg
85      90      95
Arg Thr Thr Ile Tyr Ala Glu Pro Val Pro Glu Asn Asn Ala Leu Asn
100     105     110
Thr Gln Thr Gln Pro Lys Ala His Thr Thr Gly Asp Arg Gly Lys Glu
115     120     125

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Ala	Asn	Gln	Ala	Pro	Pro	Glu	Glu	Gln	Asp	Lys	Val	Pro	His	Thr	Ala
130					135					140					
Gln	Arg	Ala	Ala	Trp	Lys	Ser	Pro	Glu	Lys	Glu	Lys	Thr	Met	Val	Asn
145					150					155					
Thr	Leu	Ser	Pro	Arg	Gly	Gln	Asp	Ala	Gly	Met	Ala	Ser	Gly	Arg	Thr
					165					170					
										175					
Glu	Ala	Gln	Ser	Trp	Lys	Ser	Gln	Asp	Thr	Lys	Thr	Thr	Gln	Gly	Asn
					180					185					
										190					
Gly	Gly	Gln	Thr	Arg	Lys	Leu	Thr	Ala	Ser	Arg	Thr	Val	Ser	Glu	Lys
					195					200					
										205					
His	Gln	Gly	Lys	Ala	Ala	Thr	Thr	Ala	Lys	Thr	Leu	Ile	Pro	Lys	Ser
					210					215					
										220					
Gln	His	Arg	Met	Leu	Ala	Pro	Thr	Gly	Ala	Val	Ser	Thr	Arg	Thr	Arg
225					230					235					
										240					
Gln	Lys	Gly	Val	Thr	Thr	Ala	Val	Ile	Pro	Pro	Lys	Glu	Lys	Lys	Pro
					245					250					
										255					
Gln	Ala	Thr	Pro	Pro	Pro	Ala	Pro	Phe	Gln	Ser	Pro	Thr	Thr	Gln	Arg
					260					265					
										270					
Asn	Gln	Arg	Leu	Lys	Ala	Ala	Asn	Phe	Lys	Ser	Glu	Pro	Arg	Trp	Asp
					275					280					
										285					
Phe	Glu	Glu	Lys	Tyr	Ser	Phe	Glu	Ile	Gly	Gly	Leu	Gln	Thr	Thr	Cys
290					295					300					
										305					
Pro	Asp	Ser	Val	Lys	Ile	Lys	Ala	Ser	Lys	Ser	Leu	Trp	Leu	Gln	Lys
305					310					315					
										320					
Leu	Phe	Leu	Pro	Asn	Leu	Thr	Leu	Phe	Leu	Asp	Ser	Arg	His	Phe	Asn
					325					330					
										335					
Gln	Ser	Glu	Trp	Asp	Arg	Leu	Glu	His	Phe	Ala	Pro	Pro	Phe	Gly	Phe
					340					345					
										350					
Met	Glu	Leu	Asn	Tyr	Ser	Leu	Val	Gln	Lys	Val	Val	Thr	Arg	Phe	Pro
					355					360					
										365					
Pro	Val	Pro	Gln	Gln	Gln	Leu	Leu	Leu	Ala	Ser	Leu	Pro	Ala	Gly	Ser
370					375					380					
										385					
Leu	Arg	Cys	Ile	Thr	Cys	Ala	Val	Val	Gly	Asn	Gly	Gly	Ile	Leu	Asn
385					390					395					
										400					

5650

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Asn Ser His Met Gly Gln Glu Ile Asp Ser His Asp Tyr Val Phe Arg
                405                      410                      415

Leu Ser Gly Ala Leu Ile Lys Gly Tyr Glu Gln Asp Val Gly Thr Arg
                420                      425                      430

Thr Ser Phe Tyr Gly Phe Thr Ala Phe Ser Leu Thr Gln Ser Leu Leu
                435                      440                      445

Ile Leu Gly Asn Arg Gly Phe Lys Asn Val Pro Leu Gly Lys Asp Val
                450                      455                      460

Arg Tyr Leu His Phe Leu Glu Gly Thr Arg Asp Tyr Glu Trp Leu Glu
465                470                      475                      480

Ala Leu Leu Met Asn Gln Thr Val Met Ser Lys Asn Leu Phe Trp Phe
                485                      490                      495

Arg His Arg Pro Gln Glu Ala Phe Arg Glu Ala Leu His Met Asp Arg
                500                      505                      510

Tyr Leu Leu Leu His Pro Asp Phe Leu Arg Tyr Met Lys Asn Arg Phe
                515                      520                      525

Leu Arg Ser Lys Thr Leu Asp Gly Ala His Trp Arg Ile Tyr Arg Pro
                530                      535                      540

Thr Thr Gly Ala Leu Leu Leu Leu Thr Ala Leu Gln Leu Cys Asp Gln
545                550                      555                      560

Val Ser Ala Tyr Gly Phe Ile Thr Glu Gly His Glu Arg Phe Ser Asp
                565                      570                      575

His Tyr Tyr Asp Thr Ser Trp Lys Arg Leu Ile Phe Tyr Ile Asn His
                580                      585                      590

Asp Phe Lys Leu Glu Arg Glu Val Trp Lys Arg Leu His Asp Glu Gly
                595                      600                      605

Ile Ile Arg Leu Tyr Gln Arg Pro Gly Pro Gly Thr Ala Lys Ala Lys
        610                615                      620

Asn
625

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<210> 6395

<211> 165

<212> PRT

5651

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6395

Xaa	Xaa	Gln	Xaa	Xaa	Pro	Met	Ile	Thr	Pro	Ser	Ser	Asn	Thr	Thr	His
1				5					10					15	

Tyr	Arg	Xaa	Leu	Leu	Val	Arg	Leu	Gln	Val	Pro	Val	Arg	Asn	Ser	Arg
			20					25					30		

Val	Asp	Pro	Arg	Val	Arg	Phe	Ser	Ser	Asp	Lys	Thr	Ala	Leu	Val	Gln
		35					40					45			

Tyr	Phe	Met	Leu	Ser	Glu	Gln	Ile	Val	Tyr	Leu	Cys	Leu	Ser	Ile	Cys
	50					55					60				

Ser	Gln	Gly	Gly	Cys	Leu	Gln	Thr	Phe	Asp	Gln	Asp	Ile	His	Leu	Ile
65					70					75					80

Tyr	Leu	Val	Phe	Phe	Phe	Tyr	Cys	Cys	Phe	Phe	Leu	Arg	Gln	Arg	Phe
			85						90					95	

Ser	Leu	Ser	Pro	Arg	Leu	Glu	Cys	Cys	Gly	Val	Ile	Leu	Ala	His	Cys
			100					105					110		

Asn	Leu	Arg	Leu	Pro	Gly	Ser	Ser	Asn	Phe	Pro	Ala	Ser	Ala	Ser	Arg
			115					120					125		

5652

Val Pro Gly Thr Ile Cys Ala His His His Ala Trp Leu Ile Phe Cys
130 135 140

Ile Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Leu Gly Trp Ser Arg
145 150 155 160

Thr Pro Asn Leu Lys
165

<210> 6396

<211> 35

<212> PRT

<213> Homo sapiens

<400> 6396

Phe Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn Cys Leu Asn Pro Gly
1 5 10 15

Asp Gly Gly Cys Ser Asp Pro Arg Ser Cys Gln Cys Thr Pro Ala Trp
20 25 30

Val Thr Glu
35

<210> 6397

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5653

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6397

Ile	Pro	Gln	Met	Gln	Pro	Gly	Gly	Val	Gln	Ala	Pro	Xaa	Ile	Gln	Gln
1				5					10					15	
Val	Leu	Ala	Pro	Xaa	Pro	Gly	Gly	Ile	Ser	Pro	Gln	Thr	Gly	Gly	Ile
			20					25					30		
Ile	Gln	Xaa	Xaa	Xaa	Ile										
			35												

<210> 6398

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6398

Asn	Ser	Ala	Glu	Leu	Trp	Ala	Glu	Glu	Tyr	Ala	His	Val	Val	Leu	Arg
1				5					10					15	
Lys	Ala	Asp	Ile	Asp	Leu	Thr	Lys	Arg	Ala	Gly	Glu	Leu	Thr	Glu	Asp
			20					25					30		
Glu	Val	Glu	Arg	Val	Ile	Thr	Ile	Met	Gln	Asn	Pro	Arg	His	Thr	Arg
			35				40					45			
Ser	Gln	Thr	Gly	Ser											
			50												

<210> 6399

<211> 54

<212> PRT

<213> Homo sapiens

<400> 6399

Gly	Val	Pro	Val	Pro	Pro	Ser	Leu	Ala	Gly	Ile	Met	Gln	Arg	Thr	Phe
1				5					10					15	
Ala	Trp	Leu	Leu	Asp	Arg	Val	Gln	His	Leu	Gly	Ala	Pro	Val	Thr	Leu
			20				25						30		

5654

Arg Ala Ser Tyr Leu Glu Ile Tyr Asn Glu Gln Val Ser Ala Val Glu
35 40 45

Gly Thr Gln Pro Thr Pro
50

<210> 6400

<211> 73

<212> PRT

<213> Homo sapiens

<400> 6400

Gly Lys Ile Asp Pro Asp Gln Thr Val Ile Arg Ala Glu Ser Leu Asp
1 5 10 15

Gly Gly Asp Thr Ser Ser Thr Val Val Glu Ser Gln Glu Gly Leu Ser
20 25 30

Gly Thr His Val Pro Glu Ser Ser Asp Cys Cys Glu Gly Phe Ile Asn
35 40 45

Thr Phe Ser Ser Asn Asp Met Asp Gly Gln Asp Leu Asp Tyr Phe Asn
50 55 60

Ile Asp Glu Arg Ala Lys Met Ala His
65 70

<210> 6401

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

5655

<220>
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6401
Glu Ser Xaa Trp Lys Thr Xaa His Tyr Ser Xaa Ser Trp Tyr Xaa Cys
1 5 10 15

Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Pro Gly
20 25 30

Thr Ser Thr Asn Gly Lys Xaa Leu Ala Ala Thr Ala Pro Thr Pro Gly
35 40 45

5656

Ile Pro Ile Leu Gln Xaa Xaa Pro Ser Ala Pro Pro Pro Lys Ala Gln
50 55 60

Xaa Val Ser Pro Val Gln Ala Pro Pro Pro Gly Gly Ser Xaa Gln Leu
65 70 75 80

Leu Pro Gly Lys Val Leu Xaa Pro Leu Ala Xaa Pro Ser Met Ser Val
85 90 95

Arg Gly Gly Gly Ala
100

<210> 6402

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5657

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6402

Gly	Asn	Tyr	Tyr	Leu	Lys	Phe	Ser	Val	Val	Ser	Asp	Lys	Asn	His	Met
1				5					10					15	

His	Phe	Gly	Ala	Ile	Thr	Xaa	Ala	Met	Gly	Ile	Arg	Phe	Lys	Ser	Tyr
		20						25					30		

Cys	Ser	Asn	Leu	Val	Arg	Thr	Leu	Met	Val	Asp	Pro	Ser	Gln	Glu	Val
		35					40					45			

Gln	Glu	Asn	Tyr	Asn	Phe	Xaa	Leu	Gln	Leu	Gln	Glu	Glu	Leu	Leu	Lys
	50					55					60				

Glu	Leu	Arg	His	Gly	Glu	Lys	Ile	Cys	Asp	Xaa	Tyr	Asn	Ala	Xaa	Met
65					70					75					80

Asp	Val	Val	Lys	Lys	Xaa	Lys	Pro	Glu	Leu	Xaa	Asn	Xaa	Asn	Tyr	Xaa
				85					90					95	

Lys	Pro	Arg	Val	Arg	Asp	Gly	Asn
							100

<210> 6403

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

5658

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6403

Pro	Gly	Xaa	Glu	Xaa	Xaa	Pro	Thr	Val	Xaa	Gln	Val	Glu	Xaa	Ala	Ala
1				5					10					15	

His	Ser	Ile	Gln	Val	Glu	Lys	Ala	Ala	His	Ser	Ile	Gln	Val	Glu	Glu
			20					25					30		

Gly	Ser	Pro	Gln	Xaa	Ser	Arg	Val	Arg	Arg	Gln	Pro	Thr	Gly	Ile	Gln
		35					40					45			

Gly	Glu	Glu	Gly	Cys	Pro	Gln	Ala	Ser	Arg	Val	Arg	Lys	Ala	Ala	His
	50					55					60				

Arg	His	Pro	Xaa
65			

<210> 6404

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5659

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6404

Val	Glu	Asp	Pro	Leu	Arg	Ser	Cys	Cys	Leu	Val	Ala	Ala	Asp	Ala	Gln
1				5					10					15	

Glu	Pro	Glu	Gly	Ala	Gly	Ser	Asp	Ser	Gly	Asp	Ser	Pro	Ala	Ser	Ser
			20					25					30		

Cys	Ser	Ser	Ser	Glu	Asp	Ser	Glu	Gln	Arg	Gly	Val	Gly	Ala	Gly	Gly
		35					40					45			

Pro	Glu	Glu	Gly	Ala	Pro	Pro	Ala	Thr	Ser	Ala	Glu	Arg	Thr	Asn	Gly
	50					55					60				

Gly	Ala	Asp	Xaa	Ala	Trp	Ala	Phe	Leu	Thr	Phe	Thr	Xaa	Thr	Leu	Ala
65					70					75					80

Thr	Arg	Ser	Arg	Xaa	Ser	Arg	Xaa
				85			

<210> 6405

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6405

Lys	Phe	Tyr	Met	Asn	Ser	Tyr	Phe	Phe	Leu	Asp	Asn	Met	Leu	Ile	Phe
1				5					10				15		

Ile	Asp	Phe	Thr	Asn	Leu	Gln	His	Met	Gly	Asp	Phe	Gly	Ser	Ile	His
			20					25					30		

5660

Arg Pro Gly Ile Val Val Asp Tyr Gln Asn Lys Ser Thr Asn Val Thr
 35 40 45

Val Ala Ala Ala Arg Gly Ile Xaa Arg Lys Met Met Gln Pro Phe Asn
 50 55 60

Lys Pro Ser Gly Thr Phe Ile Lys Asn Pro Asn
 65 70 75

<210> 6406

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6406

Ala Leu Ser Gln Ile Thr Leu Arg Lys Ser Val Glu Ser Ala Leu Arg
 1 5 10 15

Gln Leu Glu Arg Glu Lys Ala Leu Leu Gln His Lys Asn Ala Glu Tyr
 20 25 30

Gln Arg Lys Ala Asp His Glu Ala Asp Xaa Lys Arg Xaa Leu Glu Asn
 35 40 45

Asp Gly Leu Xaa Xaa Arg Ile Leu Asn Thr His Gln Glu Lys
 50 55 60

5661

<210> 6407

<211> 48

<212> PRT

<213> Homo sapiens

<400> 6407

Arg	Gln	Ser	Gln	Leu	Ala	Gln	Asp	Glu	Arg	Val	Ser	Arg	Ser	Tyr	Leu
1				5					10					15	

Ala	Leu	Ala	Thr	Glu	Thr	Val	Asp	Met	Phe	His	Ile	Leu	Pro	Gln	Ser
			20					25					30		

Asn	Val	Ser	Pro	Arg	Ala	Arg	Phe	Cys	Ser	Met	Lys	Val	Trp	Ser	Leu
		35					40					45			

<210> 6408

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6408

Gly	Thr	Ser	Met	Asp	Val	Ile	Ser	Ile	Asp	Lys	Thr	Gly	Glu	Asn	Phe
1				5					10					15	

Arg	Leu	Ile	Tyr	Asp	Thr	Lys	Gly	Arg	Phe	Ala	Val	His	Arg	Ile	Thr
			20					25					30		

Pro	Glu	Glu	Ala	Lys	Tyr	Lys	Leu	Cys	Lys	Val	Arg	Lys	Ile	Phe	Xaa
			35				40					45			

Gly	Thr	Lys	Gly	Ile	Pro	His	Leu	Val	Thr	His	Asp	Ala	Arg	Thr	Ile
	50					55					60				

Arg	Tyr	Pro	Asp	Pro	Leu	Ile	Lys	Val	Asn	Asp	Thr	Ile	Gln	Ile	Asp
	65				70					75					80

Leu	Glu	Thr	Gly	Lys	Ile	Thr	Asp	Phe	Ile	Lys	Phe	Asp	Thr	Gly	Asn
				85					90					95	

Leu	Cys	Met	Val	Thr	Trp	Arg	Cys
							100

5662

<210> 6409

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6409

Thr	Ser	Leu	Pro	Ala	Val	Phe	Pro	Gly	Gln	Val	Arg	Arg	Thr	Leu	Phe
1				5				10					15		

Ile	Thr	Gly	Leu	Pro	Arg	Asp	Ala	Arg	Lys	Glu	Thr	Xaa	Glu	Ser	His
		20					25					30			

Phe	Arg	Asp	Ala	Tyr	Pro	Thr	Cys	Lys	Val	Val	Asp	Val	Gln	Leu	Xaa
	35						40				45				

Tyr

<210> 6410

<211> 191

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

5663

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (180)

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<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6410

Gly	Arg	Glu	Ile	Xaa	Arg	Ser	Phe	His	Leu	Val	Ile	Ser	Thr	Glu	His
1				5					10					15	

Arg	Pro	Pro	Thr	Met	Glu	Phe	Gly	Pro	Ser	Trp	Val	Phe	Leu	Val	Ala
			20					25					30		

Ile	Leu	Lys	Gly	Val	His	Cys	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly
		35					40					45			

Gly	Leu	Val	Gln	Pro	Gly	Arg	Ser	Leu	Arg	Leu	Ser	Cys	Thr	Thr	Ser
	50					55					60				

Gly	Phe	Thr	Phe	Gly	Asp	Tyr	Ser	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro
65					70					75					80

Gly	Lys	Gly	Leu	Glu	Trp	Val	Gly	Phe	Ile	Arg	Ser	Lys	Ala	His	Gly
			85						90					95	

Gly	Thr	Thr	Glu	Tyr	Ala	Ala	Ser	Val	Lys	Arg	Gln	Ile	His	His	Leu
			100					105					110		

Lys	Glu	Met	Ile	Pro	Gln	Ala	Ser	Xaa	Ile	Trp	Gln	Met	Asn	Ser	Leu
		115						120				125			

5664

Lys Pro Arg Thr Gln Thr Leu Leu Leu Ser Arg His Asp Tyr Arg His
 130 135 140
 Thr Pro Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Xaa Phe Ser Gly
 145 150 155 160
 Phe His Gln Gly Pro Ser Ser Ser Pro Trp Xaa Pro Cys Ser Arg Xaa
 165 170 175
 Thr Ser Glu Xaa Gln Xaa Pro Gly Leu Ala Gly Gln Gly Leu Xaa
 180 185 190

<210> 6411

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6411

Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Xaa Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ser Phe Gln Ile
 20 25 30

Lys Asn Trp Leu Pro Phe Phe Val Arg Val Ser Asp Ala Ala Thr His
 35 40 45

Ser Ala Pro Gln Asn Ser
 50

<210> 6412

<211> 53

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5665

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6412
Xaa Xaa Xaa Thr Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser
1 5 10 15
Thr Cys Gly Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg
20 25 30
Asn Ser Ala Arg Gly Gly Ala Pro Val Met Leu Ser Thr Leu Gln Met
35 40 45
Cys Cys Leu Ser His
50

<210> 6413
<211> 67
<212> PRT
<213> Homo sapiens

<220>
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<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

5666

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6413

Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val	Xaa	Ala
1				5				10						15	

Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Xaa	Ser	Ala	Arg	Ala
			20					25					30		

Ala	Ala	Xaa	Gly	Pro	Leu	Gln	Pro	Cys	Arg	Ile	Lys	Thr	Arg	Arg	Arg
		35					40					45			

Lys	Asn	His	Gln	Lys	Gln	Gly	Arg	Val	Glu	Lys	Val	Gln	Lys	Lys	Asp
	50					55					60				

Lys	Thr	Gln
65		

<210> 6414

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6414

Xaa	Xaa	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val
1					5				10					15	

Xaa	Xaa	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5667

20 25 30

Arg Gly Gly Ile Val Cys Leu Leu Leu Met Asn Leu Gln Trp Leu Gln
35 40 45

Asn Asp
50

<210> 6415
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6415

Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Thr Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Ala Thr Thr Gly Glu Ser Ile His Gln Val Thr Glu Phe Leu Gln
35 40 45

Arg Gly His Tyr
50

<210> 6416
<211> 39
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5668

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6416

Xaa	Asn	Lys	Xaa	Xaa	Xaa	Ser	Thr	Ala	Val	Xaa	Ala	Ala	Leu	Glu	Leu
1				5					10					15	

Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Ala	Val	Leu	Phe	Ser
			20					25					30		

Ile	Met	Asn	Ser	Trp	Leu	Arg
						35

<210> 6417

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6417

Xaa	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val	Ala
1				5					10					15	

Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg
			20						25				30		

Gly	Arg	Leu	Met	Met	Thr	Phe	Ser	Gln	Val	Leu	Gly	Lys	Lys	Leu	Lys
			35					40				45			

5669

Leu Leu Leu
50

<210> 6418

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6418

Ser	Thr	Leu	Ile	Lys	Gly	Thr	Lys	Ser	Trp	Xaa	Ser	Thr	Ala	Val	Ala
1				5					10					15	

Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg
			20					25					30		

Asp	Asp	Ile	Glu	Thr	Ser	Val	Ile
		35					40

<210> 6419

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6419

Gly	Xaa	Xaa	Asn	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala
1				5					10					15	

Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser
				20				25					30		

Ala	Arg	Gly	Leu	Ile	Ser	Ser	His	Leu
			35					40

5670

<210> 6420

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6420

Xaa	Ser	Xaa	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val
1				5					10					15	

Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala
			20					25					30		

Arg	Ala	Phe	Gly	Phe
				35

<210> 6421

<211> 29

<212> PRT

<213> Homo sapiens

<400> 6421

Lys	Asn	His	Lys	Pro	Ser	Val	Leu	Leu	Gly	Phe	Asp	Met	Ser	Glu	Leu
1				5					10					15	

Lys	Asn	Val	Lys	His	Arg	Leu	Asn	Phe	Glu	Tyr	Glu	Pro
			20					25				

<210> 6422

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5671

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6422

Ala	Ile	Gln	Arg	Thr	Pro	Lys	Ile	Gln	Val	Tyr	Ser	Arg	His	Pro	Ala
1				5					10					15	

Glu	Asn	Gly	Lys	Ser	Asn	Phe	Leu	Asn	Cys	Tyr	Val	Ser	Gly	Phe	His
			20					25					30		

Pro	Ser	Asp	Ile	Glu	Val	Asp	Leu	Leu	Lys	Asn	Gly	Glu	Arg	Ile	Glu
		35					40					45			

Lys	Val	Glu	His	Ser	Asp	Leu	Ser	Phe	Ser	Lys	Asp	Trp	Leu	Ser	Ile
	50					55					60				

Ser	Xaa	Thr	Thr	Leu	Asn	Ser	Pro	Pro	Leu	Lys	Lys	Met	Ser	Met	Pro
65					70					75					80

Ala	Xaa	Xaa	Thr	Met
				85

<210> 6423

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5672

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6423

Pro	Gln	Ser	Lys	Val	Leu	Tyr	Ile	Thr	Ser	Asn	Pro	Met	Ser	Leu	Cys
1				5					10					15	

Gln	Ala	Ser	Arg	His	Gln	Pro	Asn	Val	Asn	Asp	Leu	Leu	Val	His	Gly
			20					25					30		

Met	Pro	Leu	Gln	Pro	Arg	Asn	Leu	Ser	Leu	Met	Asp	Lys	Leu	Leu	Asp
		35					40					45			

Leu	Asp	Asp	Lys	Leu	Leu	Met	Arg	Pro	Gly	Ser	Ser	Thr	Ile	Leu	Ser
	50					55					60				

Thr	Arg	Asn	Trp	Pro	Asn	Arg	Ala	Val	Glu	Phe	Ser	Thr	Ser	Ser	Leu
65					70					75					80

Ser	Tyr	Thr	Val	Gln	Ser	Thr	Arg	Arg	Arg	Asn	Pro	Pro	Pro	Arg	Thr
				85					90					95	

Leu	His	Pro	Ile	Ser	Thr	Xaa	His	Ser	Cys	Ala	Glu	Thr	Pro	Gly	Ser
			100					105					110		

Val	Glu	Glu	Ile	Leu	Arg	Gly	Ala	Arg	Val	Pro	Xaa	Ala	Pro	Asp	Ser
		115					120					125			

Leu	Ser	Phe	Ser	Leu	Thr	Asp	Ala	Pro	Glu	Leu	Lys	Leu	Ile	Cys	Tyr
	130					135					140				

His	Leu	Leu	Gly	Thr	Ala	Glu	Val	Xaa	Thr	Cys	Asp	His	Cys	Xaa	Gly
145					150					155					160

His	Arg	Asp	Lys	Met	Asn	Pro	Gln	Trp	Xaa	Leu	Xaa
				165						170	

5673

<210> 6424

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6424

Phe	Gly	Thr	Ser	Ile	Glu	Val	Arg	Asn	Tyr	Ser	Arg	Leu	Lys	Pro	Gly
1				5					10					15	

Tyr	Arg	Trp	Glu	Arg	Gln	Leu	Val	Phe	Arg	Ser	Lys	Leu	Thr	Met	His
			20					25					30		

Thr	Ala	Phe	Asn	Arg	Lys	Asp	Asn	Ala	His	Pro	Ala	Glu	Val	Thr	Ala
		35						40					45		

Leu	Gly	Ile	Ser	Lys	Asp	His	Ser	Arg	Ile	Leu	Val	Gly	Asp	Ser	Arg
		50						55				60			

5674

Gly Arg Val Phe Ser Trp Ser Val Ser Asp Gln Pro Gly Arg Ser Ala
 65 70 75 80

Ala Asp His Trp Val Lys Asp Glu Gly Gly Asp Ser Cys Ser Gly Cys
 85 90 95

Ser Val Arg Phe Ser Leu Thr Xaa Xaa Arg His His Xaa Arg Asn Xaa
 100 105 110

Gly Ser Ala Leu Leu Pro Glu Val His Arg Phe Xaa Ser Glu Xaa Asn
 115 120 125

Val

<210> 6425

<211> 118

<212> PRT

<213> Homo sapiens

<400> 6425

Asp Glu Leu Ser Glu Ala Leu Leu Leu Ile Lys Ala Gln Lys Glu Gln
 1 5 10 15

Lys Asn Gly Asp Leu Ser Phe Leu Val Lys Val Asp Ser Glu Ile Asn
 20 25 30

Lys Asp Leu Glu Arg Ser Met Arg Glu Leu Gln Ala Thr His Ala Glu
 35 40 45

Thr Val Gln Glu Leu Glu Lys Thr Arg Asn Met Leu Ile Met Gln His
 50 55 60

Lys Ile Asn Lys Asp Tyr Gln Met Glu Val Glu Ala Val Thr Arg Lys
 65 70 75 80

Met Glu Asn Leu Gln Gln Asp Tyr Glu Leu Lys Val Glu Gln Tyr Val
 85 90 95

His Leu Leu Asp Ile Arg Ala Ala Arg Ile His Lys Leu Glu Glu Ala
 100 105 110

Val Ser Leu Gly Ser Ile
 115

<210> 6426

<211> 51

5675

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6426

Glu	Arg	Gly	Gly	Xaa	Val	Asn	Leu	Leu	Lys	Leu	Val	Pro	Cys	Xaa	Tyr
1				5					10					15	

Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Val	Gln	Asp	Gly	Ala
			20					25					30		

Thr	Gly	Ala	Gly	Leu	Ser	Ala	His	Gln	Ala	Arg	Pro	Ile	Leu	Arg	Pro
		35					40					45			

Val	Xaa	Xaa
		50

<210> 6427

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

5676

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6427

Val	Ala	Leu	Leu	Ala	Leu	Leu	Cys	Ala	Ser	Ala	Ser	Gly	Asn	Ala	Ile
1				5					10					15	

Gln	Ala	Arg	Ser	Ser	Ser	Tyr	Ser	Gly	Glu	Tyr	Gly	Gly	Gly	Gly	Gly
			20					25					30		

Lys	Xaa	Phe	Xaa	His	Ser	Gly	Asn	Gln	Leu	Asp	Gly	Pro	Ile	Thr	Ala
	35						40					45			

Leu	Arg	Val	Arg	Val	Asn	Thr	Tyr	Tyr	Ile	Val	Gly	Leu	Gln	Val	Arg
	50					55					60				

Tyr	Gly	Lys	Val	Trp	Ser	Asp	Tyr	Val	Gly	Gly	Arg	Asn	Gly	Asp	Leu
65					70					75					80

Glu	Glu	Ile	Phe	Leu	Xaa	Pro	Gly	Glu	Ser	Val	Ile	Gln	Val	Ser	Gly
				85					90					95	

Xaa	Tyr	Lys	Trp	Tyr	Leu	Lys	Glu	Ala	Gly	Ile	Xaa
			100					105			

<210> 6428

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

5677

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6428
 Pro Phe Ser Val Pro Gln Pro Leu Ala Met Pro Phe Arg Pro Gly Leu
 1 5 10 15
 Pro Pro Ile Val Glu Ser Met Xaa Val Val Val Glu Thr Ile Leu Ser
 20 25 30
 Phe Trp Gln Pro Val Gly Arg Pro Ile Thr Ala Leu Arg Val Arg Xaa
 35 40 45
 Asn Thr Tyr Tyr Ile Xaa Gly Leu Gln Val Ala Tyr Gly Gln Gly Xaa
 50 55 60
 Glu Xaa Thr Ile Xaa Val Cys Ser Pro Thr Gly Lys Pro Gly Xaa Lys
 65 70 75 80
 Ile Phe Ser Cys Pro Pro Trp Gly Asn
 85

5678

<210> 6429

<211> 181

<212> PRT

<213> Homo sapiens

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<400> 6429

Phe	Phe	Ser	Ile	Met	Phe	Thr	Pro	Leu	Asp	Arg	Tyr	Xaa	Asp	Arg	Asn
1				5					10					15	

Met	Gln	Ile	Asn	Arg	His	Gln	Tyr	Cys	Ala	Leu	Lys	Ala	Met	Ser	Ala
			20					25					30		

Val	Leu	Cys	Cys	Gly	Pro	Val	Ala	Asp	Asn	Val	Gly	Leu	Ser	Ser	Asp
		35					40					45			

Gly	Tyr	Leu	Tyr	Lys	Trp	Leu	Asp	Asn	Ile	Leu	Asp	Ser	Leu	Asp	Lys
	50					55					60				

Lys	Val	His	Gln	Leu	Gly	Cys	Glu	Ala	Val	Thr	Leu	Leu	Leu	Glu	Leu
65					70					75				80	

5679

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Asn Pro Asp Gln Ser Asn Leu Met Tyr Trp Ala Val Asp Arg Cys Tyr
      85                      90                      95

Thr Gly Ser Gly Arg Val Ala Ala Gly Cys Phe Lys Ala Ile Ala Asn
      100                      105                      110

Val Phe Gln Asn Arg Asp Tyr Gln Cys Asp Thr Val Met Leu Leu Asn
      115                      120                      125

Leu Ile Leu Xaa Lys Ala Ala Asp Ser Ser Arg Ser Ile Tyr Glu Val
      130                      135                      140

Ala Met Gln Leu Leu Gln Ile Leu Glu Pro Lys Met Phe Arg Tyr Ala
      145                      150                      155                      160

His Lys Leu Xaa Val Gln Arg Thr Glu Trp Arg Thr His Pro Val Xaa
      165                      170                      175

Pro Xaa His Asn Xaa
      180

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<210> 6430

<211> 78

<212> PRT

<213> Homo sapiens

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<400> 6430

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Gly Arg Val Xaa Gly Arg Val Gly Gly Ala Val Phe Gln Ile Tyr Ile
  1              5              10              15

Ile Lys Asp Leu Glu Lys Leu Leu Met Ile Ala Gly Glu Glu Arg Ala
      20              25              30

Leu Cys Leu Val Asp Val Lys Lys Val Lys Gln Ser Leu Ala Gln Ser
      35              40              45

His Leu Pro Ala Gln Pro Asp Ile Ser Pro Asn Ile Phe Glu Ala Val
      50              55              60

Lys Gly Cys His Leu Phe Gly Ala Gly Gln Glu Leu Arg Thr
      65              70              75

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5680

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6431

Gly	Phe	Cys	Arg	Ser	Ser	Thr	Leu	Xaa	Gln	His	Xaa	Arg	Val	His	Xaa
1				5				10					15		

Gly	Glu	Arg	Pro	Tyr	Lys	Cys	Asp	Asp	Cys	Xaa	Lys	Ala	Xaa	Ser	Xaa
			20				25						30		

Ser	Ser	Asp	Leu	Ile	Arg	His	Gln	Xaa	Thr	His	Xaa	Xaa	Asp	Xaa	Xaa
		35					40					45			

Xaa	Pro	Gly	Ala	Pro	Ala	Trp	Val	Xaa	Gly	Val	Gly	Arg	Arg
	50					55					60		

<210> 6432

<211> 72

<212> PRT

<213> Homo sapiens

<400> 6432

Glu	Leu	Arg	Cys	Ser	Leu	Gln	Leu	Ala	Glu	Thr	Glu	Arg	Glu	Gly	Gly
1				5				10						15	

Phe	Ser	Pro	His	Ile	Ser	Pro	Phe	Thr	Ala	Val	Asn	Asp	Leu	Gly	His
			20					25					30		

Leu	Leu	Gly	Arg	Ala	Gly	Phe	Asn	Thr	Leu	Thr	Val	Asp	Thr	Asp	Glu
		35					40					45			

Ile	Gln	Val	Asn	Tyr	Pro	Gly	Met	Phe	Glu	Leu	Met	Glu	Asp	Leu	Gln
	50					55					60				

5682

Glu Gln Lys Ser Arg Met Leu Thr
65 70

<210> 6433

<211> 151

<212> PRT

<213> Homo sapiens

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5683

<400> 6433

Xaa Xaa Lys Leu Pro Xaa Glu Gly Pro Leu Gly Arg Leu Xaa Val Pro
 1 5 10 15

Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Pro
 20 25 30

Arg Val Arg Glu Phe Arg Lys Ala Lys Ala Ser Ser Thr Gly Ser Phe
 35 40 45

Thr Ala Pro Asp Pro Gly Leu Lys Arg Lys Ser Pro Pro Glu Ala Leu
 50 55 60

Ser Gly Ser Leu Pro Pro Ala Thr Thr Cys Pro Ala Ser Ser Thr Pro
 65 70 75 80

Ala Pro Thr Ile Ile Pro Ala Pro Ala Ala Pro Gly Lys Pro Ala Ser
 85 90 95

Ala Ala Thr Val Lys Arg Lys Arg Lys Ser Arg Trp Gly Pro Glu Glu
 100 105 110

Asp Lys Val Glu Leu Pro Pro Ala Glu Leu Val Gln Arg Asp Val Asp
 115 120 125

Ala Ser Pro Ser Pro Xaa Gln Xaa Arg Thr Ser Arg Gly Ser Xaa Met
 130 135 140

Arg Arg Gly Ser Leu Trp Xaa
 145 150

<210> 6434

<211> 104

<212> PRT

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<222> (94)

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<400> 6434

Asp Xaa Ser Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
1 5 10 15

Ala Asp Ala Cys Phe Ala Phe Tyr Ala Tyr His Tyr Arg Phe Asn Gly
20 25 30

Gln Tyr Ser Ser Leu Ala Leu Val Thr Tyr Trp Leu Phe Ile Gln Val
35 40 45

Arg Pro Gly Arg Gln Ala Gly Gly Arg Pro Ala Val Pro Phe Gln Ala
50 55 60

Gly Glu Ala Ala Ala Gly Glu Asp Ala Leu Trp Gly Arg Pro Lys Arg
65 70 75 80

Ala Glu Val Ala Trp Met Val Pro Xaa Gly Leu Xaa Ser Xaa Ser Ser
85 90 95

Gly Trp Val Val Lys Gly Gly Pro
100

<210> 6435

<211> 83

<212> PRT

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<400> 6435

Gly Thr Ser Ala Cys Gly Ala Gly Gly Gly Ala Pro Arg Gly Ser Ala
1 5 10 15

Val Phe Arg Ala Ala Gly Leu Asp Gly Ala Leu Gly Lys Ala Leu Lys
20 25 30

Glu Gln Lys Tyr Asp Arg Gln Leu Arg Leu Trp Gly Asp His Gly Gln
35 40 45

5685

Glu Ala Leu Glu Ser Ala His Val Cys Leu Ile Asn Ala Thr Ala Thr
 50 55 60
 Gly Thr Glu Ile Leu Lys Asn Leu Val Leu Pro Gly Ile Gly Ser Phe
 65 70 75 80
 Thr Ile Xaa

<210> 6436

<211> 26

<212> PRT

<213> Homo sapiens

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6436

Thr Ser Ser Ala Lys Asp Val Pro Ala Gly Ser Leu Arg Thr Ala Leu
 1 5 10 15

Asn Glu Leu Lys Arg Leu Ile Xaa Ser Ile
 20 25

<210> 6437

<211> 91

<212> PRT

<213> Homo sapiens

<400> 6437

His Gly Ala Gly Asn Glu Ala Glu Thr Pro Pro Ala Pro Lys Leu His
 1 5 10 15

Trp Asp Pro Leu Pro Gly Leu Asp Glu Pro Gly Arg Gly Gln His Ser
 20 25 30

Gly Ser Leu Gly Thr Gly Gln Leu Pro Leu Pro Leu Leu Ser Ala Arg
 35 40 45

Pro Asp Gly Ala Arg Glu Arg Arg Trp Pro Arg Gln Pro Ala Ser Thr
 50 55 60

Ser Glu Pro Gly Ser Pro Ser Pro Arg Thr Cys Ala Pro Phe Thr Arg
 65 70 75 80

5686

Thr Gln Asn Ile Leu Lys Cys Tyr Cys Ile Pro
 85 90

<210> 6438

<211> 114

<212> PRT

<213> Homo sapiens

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<400> 6438

Xaa Leu Met Lys Asp Gln Phe Tyr Ala Gln Ser Ser Ala Ser Gln Arg
 1 5 10 15

Arg Leu Pro Cys Leu Ala Val Gly Gly Ser Gly Tyr Ala Pro Glu Gln
 20 25 30

Leu Ser Gly Phe Trp Leu Ser Trp Cys Pro Arg Gly Thr Gly Ser Leu
 35 40 45

Leu Ser Gly Gly Trp Gly Phe Met Pro Arg Asp Asp Arg Leu Gly Cys
 50 55 60

Gly Val Ala Gly Ala Gln Thr Gln Met Pro Val Ala Gly Gly Pro Gln
 65 70 75 80

Ser Gly Leu Gly Leu Pro Ser Gly Pro Phe Pro Gln Leu His Cys Cys
 85 90 95

Pro Arg Glu Pro Arg Ser Pro Gly Val Lys Asp Arg Gly Gly Arg Gly
 100 105 110

Gln Ala

<210> 6439

<211> 64

<212> PRT

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5687

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<400> 6439

Thr	Thr	Xaa	Xaa	Thr	Leu	Xaa	Ala	Ser	Pro	Ser	Arg	Gly	Arg	Leu	Xaa
1				5					10					15	

Gly	Val	Gln	Gly	Thr	Cys	Leu	Gly	Arg	Cys	Glu	Ser	Pro	Leu	Pro	Ser
		20					25						30		

His	Pro	Cys	Pro	Asn	Arg	Trp	Ser	Cys	Cys	Leu	Glu	Ser	Glu	Glu	Leu
		35					40					45			

Trp	Cys	Pro	Cys	Phe	Gly	Pro	Gly	Pro	Ala	Pro	Ala	Ser	Asp	Arg	Pro
	50					55					60				

<210> 6440

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6440

Gly	Leu	Gly	Leu	Lys	His	Leu	Trp	Lys	Pro	Ala	Val	Glu	Ala	Tyr	Gly
1				5					10					15	

Glu	Phe	Leu	Cys	Met	Phe	Glu	Glu	Asn	Tyr	Pro	Glu	Thr	Leu	Lys	Arg
		20						25					30		

Leu	Phe	Val	Val	Lys	Ala	Pro	Lys	Leu	Phe	Pro	Val	Ala	Tyr	Asn	Leu
		35					40					45			

Ile	Lys	Pro	Phe	Leu	Ser	Glu	Asp	Thr	Arg	Lys	Lys	Ile	Met	Val	Leu
	50						55				60				

5688

Gly Gly Gly Ser Leu Cys Gln Met Glu Arg Met Leu Val Leu Gly Phe
 65 70 75 80

Ser

<210> 6441

<211> 117

<212> PRT

<213> Homo sapiens

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<400> 6441

Ala Thr Leu Asp Arg Lys Val Pro Ser Pro Glu Ala Phe Leu Gly Lys
 1 5 10 15

Pro Xaa Ser Ser Trp Xaa Asp Xaa Ala Lys Leu His Cys Ser Asp Asn
 20 25 30

Val Asp Leu Glu Glu Ala Gly Lys Glu Gly Gly Lys Ser Arg Glu Val
 35 40 45

Met Arg Leu Asn Lys Glu Asp Met His Leu Phe Gly His Tyr Pro Ala
 50 55 60

His Asp Asp Phe Tyr Leu Val Val Cys Ser Ala Cys Asn Gln Val Val
 65 70 75 80

Lys Pro Gln Val Phe Gln Ser His Cys Ala Gly Pro Ala Thr Val Pro
 85 90 95

Pro Ser Gly Ser Ser Phe Ser Phe Ser Asp Ser Trp Ala Arg Cys Val
 100 105 110

5689

His Leu Ala Pro Cys
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<210> 6442

<211> 70

<212> PRT

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 <400> 6442
 Val Lys Ser Gly Xaa Tyr Val Val Ile Glu Val Lys Val Ala Xaa Xaa
 1 5 10 15

 Tyr Gly Ile Xaa Ile Thr Cys Xaa Xaa Tyr Leu Met Thr Xaa Tyr Gln
 20 25 30

 Xaa Ala Pro Pro Ser Pro Gln Tyr Arg Xaa Ile Ile Cys Met Gly Ala
 35 40 45

 Xaa Xaa Asn Gly Leu Pro Leu Xaa Tyr Gln Xaa Xaa Leu Xaa Ala Leu
 50 55 60

5691

Xaa Pro Asn Asp Tyr Thr
65 70

<210> 6443

<211> 80

<212> PRT

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<400> 6443

Leu	Phe	Lys	Met	Gln	Ile	Val	Ala	Cys	Gly	Glu	Gly	Pro	Gly	Leu	Ser
1				5					10					15	

Arg	Glu	Arg	Xaa	Gly	Xaa	Xaa	Phe	Ser	Gln	Pro	Gly	Arg	Ser	Xaa	Xaa
			20					25					30		

Gly	Ala	Phe	Xaa	Met	Cys	Lys	Gly	Gly	Val	Gln	Ala	Pro	Gly	Gly	Val
			35				40					45			

Leu	Ala	Val	Ser	Phe	Phe	Leu	Xaa	Gly	Asp	Gly	Xaa	Gly	Val	Arg	Xaa
						55					60				

Gly	Ala	Asp	Ala	Leu	Ala	Cys	Glu	Xaa	Glu	Leu	Glu	Lys	Cys	Arg	Cys
65						70				75					80

<210> 6444

<211> 129

<212> PRT

<213> Homo sapiens

<400> 6444

Lys	Glu	Leu	Glu	Leu	Tyr	Lys	Glu	Glu	Leu	Gln	Thr	Lys	Pro	Ala	Leu
1				5					10					15	

Leu	Ala	Val	Asn	Lys	Met	Asp	Leu	Pro	Asp	Ala	Gln	Asp	Lys	Phe	His
			20					25					30		

Glu	Leu	Met	Ser	Gln	Leu	Gln	Asn	Pro	Lys	Asp	Phe	Leu	His	Leu	Phe
			35				40					45			

Glu	Lys	Asn	Met	Ile	Pro	Glu	Arg	Thr	Val	Glu	Phe	Gln	His	Ile	Ile
			50				55				60				

Pro	Ile	Ser	Ala	Val	Thr	Gly	Glu	Gly	Ile	Glu	Glu	Leu	Lys	Asn	Cys
65						70				75					80

5693

Ile	Arg	Lys	Ser	Leu	Asp	Glu	Gln	Ala	Asn	Gln	Glu	Asn	Asp	Ala	Leu
				85					90					95	
His	Lys	Lys	Gln	Leu	Leu	Asn	Leu	Trp	Ile	Ser	Asp	Thr	Met	Ser	Ser
			100					105					110		
Thr	Glu	Pro	Pro	Ser	Lys	His	Ala	Val	Thr	Thr	Ser	Lys	Met	Asp	Ile
		115					120					125			

Ile

<210> 6445

<211> 135

<212> PRT

<213> Homo sapiens

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 Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Xaa Xaa Xaa Trp Tyr Ala
 1 5 10 15
 Cys Arg Tyr Arg Ala Gly Ile Xaa Gly Ser Thr His Ala Ser Ala Gly
 20 25 30
 Glu Arg Pro Phe Glu Cys Ile Glu Cys Gly Lys Ala Phe Ser Asn Gly
 35 40 45
 Ser Xaa Leu Ala Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Xaa
 50 55 60

5695

Val Xaa Asn Val Xaa Xaa Lys Ala Phe Ser His Arg Gly Tyr Leu Ile
65 70 75 80

Val His Gln Arg Ile His Thr Gly Glu Arg Pro Tyr Glu Cys Lys Glu
85 90 95

Cys Xaa Lys Ala Phe Xaa Gln Tyr Ala His Leu Ala Gln His Gln Arg
100 105 110

Val His Thr Gly Glu Xaa Pro Tyr Glu Cys Lys Val Leu Xaa Glu Ser
115 120 125

Leu Gln Xaa Asn Cys Ile Pro
130 135

<210> 6446

<211> 138

<212> PRT

<213> Homo sapiens

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5696

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5697

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<400> 6446
 Lys Trp Leu Pro Pro Lys Phe Pro Xaa Lys Arg Xaa Gly Xaa Leu Ile
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ile Xaa Xaa Pro Xaa Xaa Xaa Xaa Tyr
 20 25 30
 Gly Xaa Ala Trp Xaa Xaa Pro Xaa Trp Asn Xaa Pro Xaa Phe Cys Pro
 35 40 45
 Xaa Ile Asn Val Leu Leu Ala Xaa Asn Leu Ser Pro Arg Pro Leu Pro
 50 55 60
 Arg Lys Val Pro Pro Xaa Xaa Val Gly Gly Asn Leu Val Ala Ile Leu
 65 70 75 80
 Thr Ala Ala Asn Leu Lys Ser Val Asn Leu Val Ala Asn Phe Asn Thr
 85 90 95
 Leu Phe Val Leu Val Gln Ile Ser Ile Met Val Val Phe Ile Phe Leu
 100 105 110
 Val Val Gln Gly Leu His Lys Xaa Xaa Xaa Leu Ala Pro Ser Gly Xaa
 115 120 125
 Phe Ser Arg Leu Ser Ala Arg Thr Arg Thr
 130 135

<210> 6447

5699

<211> 197
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<400> 6447
 Ala Asp Ala Trp Val Leu Val Val Phe Lys Ala Pro Arg Ala Asp Ser
 1 5 10 15

His Gly Pro Gly Cys Arg Pro Pro Leu Cys Pro Gly Leu Val Ala Tyr
 20 25 30

5700

Val Asp Leu Asp Glu Arg Ala Ile Asp Ala Leu Arg Glu Phe Asn Glu
 35 40 45

 Glu Gly Ala Leu Ser Val Leu Gln Gln Phe Lys Glu Ser Asp Leu Ser
 50 55 60

 His Val Gln Asn Lys Ser Ala Phe Leu Cys Gly Val Met Lys Thr Tyr
 65 70 75 80

 Arg Gln Arg Glu Lys Gln Gly Ser Lys Val Gln Glu Ser Thr Lys Gly
 85 90 95

 Pro Asp Glu Ala Lys Ile Lys Ala Leu Leu Glu Arg Thr Gly Tyr Thr
 100 105 110

 Leu Asp Val Thr Thr Gly Gln Arg Lys Tyr Gly Gly Pro Ser Pro Asp
 115 120 125

 Ser Val Tyr Ser Gly Val Gln Pro Gly Ile Gly Thr Xaa Val Phe Val
 130 135 140

 Gly Lys Ile Pro Arg Asp Leu Tyr Glu Asp Glu Leu Val Pro Leu Phe
 145 150 155 160

 Glu Xaa Ala Xaa Pro Ile Trp Asp Leu Arg Leu Met Met Asp Pro Leu
 165 170 175

 Ser Gly Arg Ile Xaa Gly Met His Leu Ser Pro Ser Xaa Xaa Lys Glu
 180 185 190

 Xaa Xaa Arg Lys Pro
 195

<210> 6448

<211> 65

<212> PRT

<213> Homo sapiens

<400> 6448

Tyr Thr Leu Leu Glu Leu Glu Leu Pro Arg Leu Leu Ala Pro Asp Leu
 1 5 10 15

 Pro Ser Asn Gly Ser Ser Leu Lys Asp Leu Lys Trp Thr His Ser Asn
 20 25 30

 Tyr Arg Ala Ser Lys Glu Ser Cys Ile Val Ile Phe Arg His Tyr Leu
 35 40 45

 Pro Gly Ser Gly Val Gly Asn Leu Arg Ala Cys Cys Leu Pro Trp Met

5701

50

55

60

Trp

65

<210> 6449

<211> 60

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<400> 6449

Ile	Trp	His	Glu	Ala	Thr	Pro	Thr	Gly	Gly	Gly	Xaa	Met	Ala	Arg	Thr
1				5				10						15	

Trp	Lys	Pro	Thr	Leu	Val	Ile	Leu	Xaa	Ile	Lys	Arg	Ala	Gly	Arg	Cys
			20					25					30		

Xaa	Arg	Trp	Xaa	Pro	Asn	Glu	Asn	Lys	Val	Ala	Val	Gly	Asn	Gly	Ser
			35				40					45			

5702

Xaa Glu Xaa Ser Ile Trp Tyr Phe Gln Gln Gly Glu
 50 55 60

<210> 6450

<211> 82

<212> PRT

<213> Homo sapiens

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<400> 6450

Asp Phe Xaa Gln Met Leu Gln Glu Ile Gln Glu Val Lys Thr Pro Glu
 1 5 10 15

Glu Leu Glu Thr Phe Met Leu Lys His Gly Glu Asn Ile Ile Asp Thr
 20 25 30

Leu Gly Ala Glu Val Asp Arg Leu Glu Lys Glu Leu Lys Val Arg Cys
 35 40 45

Ile His Lys Asn Asn Ile Met Ile Met Ala Ala Ile Phe Leu Ser Thr
 50 55 60

Tyr Ser Thr Ala Asp Thr Lys Cys Ile His His Met His Ala Leu Thr
 65 70 75 80

His Ser

<210> 6451

<211> 164

<212> PRT

<213> Homo sapiens

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5704

<400> 6451

```

Xaa His His Leu Tyr Arg Ala Tyr Ser Phe Xaa Met Gly Cys Trp Pro
 1              5              10              15

Lys Asn Gly Leu Leu Xaa Met Asn Lys Gly Leu Ser Leu Gln His Ile
          20              25              30

Gly Arg Pro His Thr Gly Ile Asp Asp Cys Lys Lys His Cys Xaa His
          35              40              45

His Glu Xaa Thr Arg Leu Ser Arg Leu His Leu Gln Ala Asp Ile Xaa
          50              55              60

Xaa Val Leu Ile Gly Pro Arg Gln Asp Gly Ala Arg Gln Gly Xaa Cys
          65              70              75              80

Leu Ala His Pro Lys Ser Ser Ser Pro Ser Pro Xaa Gly Lys Lys Glu
          85              90              95

Asn Gly Ile Leu Cys Val Gln Asn Val Pro Xaa Ala Cys Xaa Leu Cys
          100             105             110

Pro Trp Arg Trp Leu Phe Pro Cys Lys Gly Xaa Ala Leu Gly Pro Ser
          115             120             125

Gly Thr Lys Leu Phe Ser Pro His Pro Thr Leu Ile Ser Pro Ser Ile
          130             135             140

Thr Pro Pro Leu Arg Ala Gly Leu Gly Glu Pro Gly Ser Pro Leu Ser
          145             150             155             160

Leu Phe Thr Gly

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<210> 6452

<211> 107

<212> PRT

<213> Homo sapiens

<220>

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<222> (66)

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<400> 6452

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Val Val Ser Lys Val Cys Val Trp Pro Gly Val His Pro Leu Pro Ser
 1              5              10              15

Ser Pro Ala Pro Glu His Ser Cys Ser Ala Arg Pro His Ser Ser Ala

```

5705

20 25 30

Leu Leu Pro Ile Pro Thr Arg Arg Arg Cys Pro Gly Pro Val Cys Ala
35 40 45

Ala His Val Asp Trp Glu Gly Arg Ala Gly Ala Gly Leu Gly Ala Arg
50 55 60

Ala Xaa Ala Val Phe Ser Phe Leu His Ser Arg Arg Ala Gly Gly Trp
65 70 75 80

Gly Cys Phe Pro Ala Arg Pro Gln Gly Gln Ala Pro Trp Gly Phe Ile
85 90 95

Arg Gly Leu Glu Gly Trp Gly Gln Lys Gln Ala
100 105

<210> 6453

<211> 114

<212> PRT

<213> Homo sapiens

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5706

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<221> SITE

<222> (110)

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<400> 6453

Glu	Gly	Lys	Gly	Leu	Glu	Gly	Pro	Leu	Asp	Leu	Ile	Asn	Tyr	Ile	Asp
1				5				10						15	

Val	Ala	Gln	Gln	Asp	Gly	Lys	Leu	Pro	Phe	Val	Pro	Pro	Glu	Glu	Glu
			20					25					30		

Phe	Ile	Met	Gly	Val	Ser	Lys	Tyr	Gly	Ile	Lys	Val	Ser	Thr	Ser	Asp
		35					40					45			

Gln	Tyr	Asp	Val	Leu	His	Arg	His	Ala	Leu	Tyr	Leu	Ile	Ile	Arg	Met
	50					55					60				

Val	Cys	Tyr	Asp	Asp	Gly	Leu	Gly	Ala	Gly	Lys	Ser	Leu	Leu	Ala	Leu
65					70					75					80

Lys	Thr	Thr	Asp	Ala	Ser	Xaa	Glu	Glu	Tyr	Arg	Leu	Trp	Val	Tyr	Xaa
				85					90					95	

Val	Gln	Xaa	Xaa	Gly	Thr	Xaa	Thr	Ser	His	Leu	Xaa	Gly	Xaa	Ile	His
			100					105					110		

Arg Phe

<210> 6454

<211> 95

<212> PRT

<213> Homo sapiens

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5707

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<222> (82)

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<400> 6454

Leu	Leu	Gly	Pro	Gly	Lys	Pro	Trp	Ser	Pro	Ser	Pro	Gln	Pro	Pro	Pro
1				5				10					15		

Arg	Ala	His	Arg	Ser	Ser	Pro	Trp	Ala	Pro	Ser	Ser	Lys	Ser	Thr	Ser
			20					25					30		

Gly	Gly	Thr	Arg	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr	Phe	Pro	Glu
		35					40					45			

Pro	Val	Arg	Phe	Leu	Gly	Asn	Ser	Gly	Ala	Leu	Thr	Ser	Gly	Val	Ser
	50					55					60				

His	Leu	Pro	Gly	Cys	Ser	Tyr	Ser	Pro	Gln	Xaa	Ser	Thr	Pro	Ser	Xaa
65					70					75					80

Xaa	Xaa	Leu	Thr	Val	Pro	Ser	Gln	Lys	Leu	Gly	Asp	Gln	Lys	Leu	
				85					90					95	

<210> 6455

<211> 108

<212> PRT

<213> Homo sapiens

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<400> 6455

Ala	Pro	Phe	Arg	Gly	Pro	Lys	Asp	Arg	Ala	Arg	Lys	Leu	Ala	Glu	Val
1				5					10					15	

Gly	Ser	His	Glu	Lys	Val	Gly	Gln	Xaa	Pro	Cys	Cys	Val	Arg	Leu	Glu
			20					25					30		

5708

Gln Ala Trp Glu Glu Gly Gly Ile Leu Tyr Leu Gln Thr Glu Leu Cys
 35 40 45
 Gly Pro Ser Leu Gln Gln His Cys Glu Ala Trp Gly Ala Ser Leu Pro
 50 55 60
 Glu Ala Gln Val Trp Gly Tyr Leu Arg Asp Thr Leu Leu Ala Leu Ala
 65 70 75 80
 His Leu His Ser Gln Gly Leu Val His Leu Asp Xaa Gln Ala Cys Gln
 85 90 95
 His Leu Pro Gly Ala Pro Gly Pro Leu Gln Ala Gly
 100 105

<210> 6456
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 6456
 Gly Gly Leu Asn Gln Thr Gln Leu Arg Lys Ile Leu Ala Tyr Ser Ser
 1 5 10 15
 Ile Thr His Ile Gly
 20

<210> 6457
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 6457
 Arg Arg Ala Met Ala Asp Glu Glu Leu Glu Ala Leu Arg Arg Gln Arg
 1 5 10 15
 Leu Ala Glu Leu Gln Ala Lys His Gly Asp Pro Gly Asp Ala Ala Gln
 20 25 30
 Gln Glu Ala Lys His Arg Glu Ala Glu Met Arg Asn Ser Ile Leu Ala
 35 40 45
 Gln Val Leu Asp Gln Ser Ala Arg Ala Arg Leu Ser Asn Leu Ala Leu
 50 55 60
 Val Lys Pro Glu Lys Thr Lys Ala Val Glu Asn Tyr Leu Ile Gln Met

5709

65		70		75		80
Ala Arg Tyr Gly Gln Leu Ser Glu Lys Val Ser Glu Gln Gly Leu Ile						
	85		90		95	
Glu Ile Leu Lys Lys Val Ser Gln Gln Thr Glu Lys Thr Thr Thr Val						
	100		105		110	
Lys Val Ser Val Pro Arg Cys Leu Trp Gln Met Lys Arg Trp Ile Leu						
	115		120		125	

<210> 6458

<211> 163

<212> PRT

<213> Homo sapiens

<400> 6458

Glu Val Thr Thr Phe Gln Leu Ala Val Leu Phe Ala Trp Asn Gln Arg																			
1			5				10						15						
Pro Arg Glu Lys Ile Ser Phe Glu Asn Leu Lys Leu Ala Thr Glu Leu																			
			20				25						30						
Pro Asp Ala Glu Leu Arg Arg Thr Leu Trp Ser Leu Val Ala Phe Pro																			
			35				40						45						
Lys Leu Lys Arg Gln Val Leu Leu Tyr Glu Pro Gln Val Asn Ser Pro																			
			50				55						60						
Lys Asp Phe Thr Glu Gly Thr Leu Phe Ser Val Asn Gln Glu Phe Ser																			
			65				70						75						80
Leu Ile Lys Asn Ala Lys Val Gln Lys Arg Gly Lys Ile Asn Leu Ile																			
			85										90						95
Gly Arg Leu Gln Leu Thr Thr Glu Arg Met Arg Glu Glu Glu Asn Glu																			
			100										105					110	
Gly Ile Val Gln Leu Arg Ile Leu Arg Thr Gln Glu Ala Ile Ile Gln																			
			115										120					125	
Ile Met Lys Met Arg Lys Lys Ile Ser Asn Ala Gln Leu Gln Thr Glu																			
			130										135					140	
Leu Val Glu Ile Leu Lys Asn Met Phe Leu Pro Gln Lys Glu Met Ile																			
			145										150					155	160

5710

Lys Val Gln

<210> 6459

<211> 175

<212> PRT

<213> Homo sapiens

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<400> 6459

Asp	Asp	Arg	Leu	Arg	Glu	Glu	Arg	Ala	His	Ala	Leu	Lys	Thr	Lys	Glu
1				5					10					15	

Lys	Leu	Ala	Gln	Thr	Ala	Thr	Ala	Ser	Ser	Ala	Ala	Val	Gly	Ser	Gly
			20					25					30		

Pro	Pro	Pro	Glu	Ala	Glu	Gln	Ala	Trp	Pro	Gln	Ser	Ser	Gly	Glu	Glu
		35					40					45			

Glu	Leu	Gln	Leu	Gln	Leu	Ala	Leu	Ala	Met	Ser	Lys	Glu	Glu	Ala	Asp
	50					55					60				

Gln	Pro	Pro	Ser	Cys	Gly	Pro	Glu	Asp	Asp	Ala	Gln	Leu	Gln	Leu	Ala
65					70					75					80

Leu	Ser	Leu	Ser	Arg	Glu	Glu	His	Asp	Lys	Glu	Glu	Arg	Ile	Arg	Arg
				85					90					95	

Gly	Asp	Asp	Leu	Arg	Leu	Gln	Met	Ala	Ile	Glu	Glu	Ser	Lys	Arg	Glu
			100					105					110		

Thr	Gly	Gly	Lys	Glu	Glu	Ser	Ser	Leu	Met	Asp	Leu	Ala	Asp	Val	Phe
			115				120					125			

5711

Thr Gly Pro Ala Ser Ala Arg Pro Gln Thr Pro Gly Gly Ala His Thr
 130 135 140

His Gly Leu Xaa Pro Ser His Gly Leu Pro Asn Leu Asp Pro Trp Gly
 145 150 155 160

Gly Pro Pro Val Pro Ser Xaa Ala Xaa Ser Pro Gly Glu Gly Ser
 165 170 175

<210> 6460

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6460

Ala Xaa Ala Ser Asp Leu Asn Asp Ile Tyr Glu Glu Glu Pro Phe Asn
 1 5 10 15

Phe Gln Met Val Tyr Asn Glu Phe Gln Lys Phe Val Gln Arg Lys Ala
 20 25 30

His Ser Val Tyr Asn Phe Glu Lys Pro Val Val Met Lys Ala Phe Glu
 35 40 45

His Leu Gln Gln Leu Glu Leu Ile Lys Pro Met Glu Arg Thr Ser Gly
 50 55 60

Asn Ser Gln Arg Glu Ser Ser
 65 70

<210> 6461

<211> 76

<212> PRT

<213> Homo sapiens

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<222> (65)

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5712

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<400> 6461

Leu	Val	Pro	Asn	Ser	Ala	Arg	Val	Trp	Thr	Asn	Pro	Gln	Ile	Lys	Leu
1				5					10					15	

Ser	Leu	Thr	Glu	Lys	Asp	Glu	Gly	Gln	Glu	Glu	Cys	Ser	Phe	Leu	Val
			20					25					30		

Ala	Leu	Met	Gln	Lys	Asp	Arg	Arg	Lys	Leu	Lys	Arg	Phe	Gly	Ala	Asn
			35					40				45			

Val	Leu	Thr	Ile	Gly	Tyr	Ala	Ile	Tyr	Asn	Cys	Pro	Asn	Lys	Asn	Lys
	50					55					60				

Xaa	Xaa	Asn	Lys	Asn	Pro	Pro	Asn	Pro	Xaa	Ser	Leu
65					70					75	

<210> 6462

<211> 127

<212> PRT

<213> Homo sapiens

<220>

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5713

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<400> 6462

Xaa	Thr	Thr	Xaa	Xaa	Gly	Lys	Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro
1				5					10					15	

Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Lys	Ala	Leu	Lys	Arg	Gly	Ser
			20					25					30		

Leu	Leu	Gly	Cys	Phe	Ile	Asp	Thr	Arg	Ser	Ala	Ala	Glu	Ser	Glu	Ala
		35					40					45			

Arg	Thr	Pro	Phe	Gly	Leu	Ile	Lys	Gly	His	Ala	Tyr	Ser	Val	Thr	Gly
	50					55				60					

Ile	Asp	Gln	Val	Ser	Phe	Arg	Gly	Gln	Arg	Ile	Glu	Leu	Ile	Arg	Ile
65					70					75					80

Arg	Asn	Pro	Trp	Gly	Gln	Val	Glu	Trp	Asn	Gly	Ser	Trp	Ser	Asp	Ser
				85					90					95	

Ser	Pro	Glu	Trp	Arg	Ser	Val	Val	Gln	Leu	Ser	Xaa	Ser	Val	Cys	Val
		100						105					110		

Thr	Leu	Xaa	Trp	Met	Met	Gly	Asn	Ser	Gly	Trp	His	Leu	Arg	Thr	
		115					120					125			

<210> 6463

<211> 152

<212> PRT

<213> Homo sapiens

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<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6463

Val	Leu	Thr	Leu	Gln	Gly	Asp	Ala	Leu	Ser	Gln	Ala	Asp	Val	Asn	Leu
1				5					10					15	

5714

Lys Met Pro Arg Asn Asn Gln Leu Leu His Phe Ala Phe Arg Glu Asp
20 25 30

Lys Gln Trp Lys Leu Gln Gln Ile Gln Asp Ala Arg Asn His Val Ser
35 40 45

Gln Ala Ile Tyr Leu Leu Thr Ser Arg Asp Gln Ser Tyr Gln Phe Lys
50 55 60

Thr Gly Ala Glu Val Leu Lys Leu Met Asp Ala Val Met Leu Gln Leu
65 70 75 80

Thr Arg Ala Arg Asn Arg Leu Thr Thr Pro Ala Thr Leu Thr Leu Pro
85 90 95

Glu Ile Ala Ala Ser Gly Leu Thr Arg Met Phe Ala Pro Ala Leu Pro
100 105 110

Ser Asp Leu Leu Val Asn Val Tyr Ile Asn Leu Asn Lys Leu Cys Leu
115 120 125

Thr Val Tyr Gln Leu Xaa Ala Leu Gln Pro Asn Phe Thr Lys Asn Phe
130 135 140

Ala Xaa Trp Gly Arg Gly Ala Ala
145 150

<210> 6464

<211> 59

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<213> Homo sapiens

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 1 5 10 15
 Leu Thr Gly Ala Ala Ser Phe Xaa Met Val Xaa Xaa Leu Ala Xaa Asn
 20 25 30
 Val Ser Lys Ala Arg Lys Lys Tyr Lys Xaa Glu Trp Thr Leu Pro Leu
 35 40 45
 Xaa Phe Ser His Thr Gln Phe Leu Phe Phe Tyr
 50 55

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 <211> 99
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<400> 6465

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1				5					10					15	

Leu	Leu	Arg	Ser	Xaa	Pro	Lys	Val	Cys	Val	Thr	Val	Leu	Pro	Pro	Asp
			20					25					30		

Glu	Ser	Gly	Arg	Pro	Arg	Arg	Ser	Phe	Ser	Glu	Leu	Tyr	Thr	Leu	Ser
		35					40					45			

Leu	Gln	Xaa	Pro	Ser	Xaa	Arg	Gly	Ala	Pro	Asp	Xaa	Val	Gln	Asp	Glu
	50					55					60				

Val	Xaa	Gly	Val	Thr	Leu	Leu	Ser	Thr	Xaa	Xaa	Gln	Xaa	Leu	His	Leu
65					70					75					80

Cys	Leu	Gln	Asp	Gly	Gly	Lys	Ser	Ser	Xaa	Ala	Trp	Xaa	Ser	Gly	Xaa
				85					90					95	

Gly Xaa Asp

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<213> Homo sapiens

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<400> 6466

Pro	Thr	Arg	Xaa	Glu	Pro	Gln	Lys	Val	Ser	Thr	Leu	Gly	Lys	Ser	Asn
1				5					10					15	

Val	Ile	Val	Thr	Gly	Ala	Asn	Phe	Thr	Arg	Ala	Ser	Asn	Ile	Thr	Met
			20					25					30		

5718

Ile Leu Lys Gly Thr Ser Thr Cys Asp Lys Asp Val
35 40

<210> 6467

<211> 177

<212> PRT

<213> Homo sapiens

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 Gly Xaa Thr Thr Xaa His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
 1 5 10 15
 Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Asp Ala Trp Val
 20 25 30
 Gly Met Gln Leu Asp Arg Ala Ser Ser Ser Leu Tyr Val Ala Phe Ser
 35 40 45
 Thr Cys Val Ile Lys Val Pro Leu Gly Arg Cys Glu Arg His Gly Lys
 50 55 60
 Cys Lys Lys Thr Cys Ile Ala Xaa Arg Asp Pro Tyr Cys Gly Trp Ile
 65 70 75 80
 Lys Glu Gly Gly Ala Cys Ser His Xaa Ser Pro Asn Ser Arg Leu Thr
 85 90 95
 Phe Glu Gln Asp Ile Glu His Gly Asn Thr Asp Gly Leu Gly Asp Cys
 100 105 110
 His Asn Xaa Phe Val Ala Leu Asn Gly His Ser Ser Xaa Leu Leu Pro
 115 120 125
 Ser Thr Thr Thr .Ser Asp Ser Thr Ala Gln Glu Gly Tyr Glu Thr Xaa
 130 135 140
 Gly Gly Met Leu Asp Trp Lys His Xaa Xaa Asp Ser Xaa Asp Ser Thr
 145 150 155 160

Asp Pro Leu Gly Ala Arg Xaa Xaa His Asn His Gln Arg Gln Glu Gly
165 170 175

Ser

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<210> 6468
<211> 99
<212> PRT
<213> Homo sapiens
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<400> 6468
Met Gly Ala Val Gln Gln Phe Asn Leu Asp Val Ile Gln Cys Glu Leu
   1               5             10           15
Phe Ala Ser Ser Glu Pro Val Pro Gly Phe Gln Gly Asp Thr Leu Gln
    20              25            30
Leu Ala Phe Ile Asp Leu Arg Gln Leu Leu Asp Leu Phe Met Val Trp
    35              40            45
Asp Trp Ser Thr Tyr Leu Ala Asp Tyr Gly Gln Pro Ala Ser Lys Tyr
    50              55            60
Leu Arg Val Asn Pro Asn Thr Ala Leu Thr Leu Leu Glu Lys Met Lys
    65              70            75           80
Asp Thr Ser Lys Lys Asn Asn Ile Phe Ala Gln Phe Arg Lys Asn Asp
    85              90           95
Arg Asp Lys
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<210> 6469
<211> 30
<212> PRT
<213> Homo sapiens
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<400> 6469
Ile Gln Val Ser Val Leu Thr Asp Gln Val Glu Ala Gln Gly Glu Lys
  1                      5                      10                      15
Ile Arg Asp Leu Glu Phe Cys Leu Lys Ser Thr Glu Arg Ser
      20                      25                      30

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5721

<210> 6470

<211> 116

<212> PRT

<213> Homo sapiens

<400> 6470

Lys	Leu	Pro	Leu	Lys	Ala	Lys	Met	Gly	Lys	Glu	Lys	Thr	His	Ile	Asn
1				5					10					15	

Ile	Val	Val	Ile	Gly	His	Val	Asp	Ser	Gly	Lys	Ser	Thr	Thr	Thr	Gly
			20					25					30		

His	Leu	Ile	Tyr	Lys	Cys	Gly	Gly	Ile	Asp	Lys	Arg	Thr	Ile	Glu	Lys
		35					40					45			

Phe	Glu	Lys	Glu	Ala	Ala	Glu	Met	Gly	Lys	Gly	Ser	Phe	Lys	Tyr	Ala
	50					55					60				

Trp	Val	Leu	Asp	Lys	Leu	Lys	Ala	Glu	Arg	Glu	Arg	Gly	Ile	Thr	Ile
65					70					75					80

Asp	Ile	Ser	Leu	Trp	Lys	Phe	Glu	Thr	Ser	Lys	Tyr	Tyr	Val	Thr	Ile
				85					90					95	

Ile	Asp	Ala	Pro	Gly	His	Arg	Asp	Phe	Ile	Lys	Asn	Met	Ile	Thr	Gly
			100					105					110		

Thr	Ser	Gln	Ala
		115	

<210> 6471

<211> 37

<212> PRT

<213> Homo sapiens

<400> 6471

Glu	Lys	Pro	Tyr	Gly	Ile	Val	Glu	Lys	Lys	Ser	Arg	Ile	Phe	Pro	Gly
1				5					10					15	

Asp	Thr	Ile	Leu	Glu	Thr	Gly	Glu	Val	Ile	Pro	Pro	Met	Lys	Glu	Phe
			20					25					30		

Pro	Asp	Gln	His	His
		35		

<210> 6472

<211> 89

5722

<212> PRT

<213> Homo sapiens

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<400> 6472

Ala	Gly	Ala	Asp	Gly	Gly	Ser	Ala	Ala	Cys	Ser	Trp	Lys	Phe	Arg	Leu
1				5					10					15	

Gly	Cys	Leu	Leu	Gly	Ala	Met	Glu	Ser	Asp	Phe	Tyr	Leu	Arg	Tyr	Tyr
		20					25					30			

Val	Gly	His	Lys	Gly	Lys	Phe	Gly	His	Glu	Phe	Leu	Glu	Phe	Glu	Phe
		35				40					45				

Arg	Pro	Asp	Gly	Lys	Leu	Arg	Tyr	Ala	Asn	Ser	Ala	Ala	Ala	Xaa	Ser
	50					55					60				

Met	Cys	Ser	Gly	Phe	Xaa	Gly	His	Gly	Xaa	Thr	Gly	Gln	Ser	Xaa	Glu
65					70				75						80

Xaa	Leu	Arg	Val	Trp	Gln	Trp	Asn	Phe
				85				

<210> 6473

<211> 96

5723

<212> PRT

<213> Homo sapiens

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<400> 6473

Ala	Xaa	Gln	Arg	Ala	Val	Tyr	Asp	Glu	Gln	Gly	Thr	Val	Asp	Glu	Asp
1				5					10					15	

Ser	Pro	Val	Leu	Thr	Gln	Asp	Arg	Asp	Trp	Glu	Ala	Tyr	Trp	Arg	Leu
			20					25					30		

Leu	Phe	Lys	Lys	Ile	Ser	Leu	Glu	Asp	Ile	Gln	Ala	Phe	Glu	Lys	Thr
		35						40				45			

Tyr	Lys	Gly	Ser	Glu	Glu	Glu	Leu	Ala	Asp	Ile	Lys	Gln	Ala	Tyr	Leu
	50						55				60				

Asp	Phe	Lys	Gly	Asp	Met	Asp	Gln	Ile	Met	Glu	Ser	Val	Leu	Cys	Val
65					70					75					80

Gln	Tyr	Thr	Glu	Glu	Pro	Arg	Met	Lys	Xaa	Tyr	His	Ser	Ala	Ser	Tyr
				85					90					95	

<210> 6474

<211> 99

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<400> 6474
 Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Met Gln
 1 5 10 15
 Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu Xaa Glu
 20 25 30
 Pro Ser Asp Thr Ile Glu Asn Val Glu Ala Lys Ile Gln Asp Lys Glu
 35 40 45
 Gly Ile Pro Pro Asp Gln Xaa Xaa Leu Ile Phe Ala Gly Lys Gln Leu
 50 55 60
 Glu Asn Gly Arg Xaa Leu Ser Asp Tyr His Ile Gln Xaa Asp Pro Pro
 65 70 75 80
 Cys Thr Trp Cys Ser Val Ser Xaa Val Gly Cys Lys Ser Ser Xaa Arg
 85 90 95
 Pro Asp Trp

<210> 6475

5725

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<400> 6475
 Gly Lys Leu Val Arg Leu Gln Val Pro Gly Arg Asn Ser Arg Val Asp
 1 5 10 15
 Pro Arg Val Arg Gly Ser Glu Leu Ser Gly Xaa Ile Ser Ser Ala Cys
 20 25 30
 Asp Xaa Glu Xaa Asn Met Glu Arg Arg Xaa Ile Thr Ile Ser Lys Ser
 35 40 45
 Glu Tyr Ser Xaa His Ser Ser Leu Ala Ser Lys Xaa Asp Val Glu Gln
 50 55 60

5726

<210> 6476

<211> 82

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<400> 6476

Ala	Phe	Leu	Ala	Ser	Gly	Pro	Tyr	Leu	Thr	His	Gln	Gln	Lys	Val	Leu
1				5				10						15	

Arg	Leu	Tyr	Lys	Arg	Ala	Leu	Arg	His	Leu	Glu	Ser	Trp	Cys	Val	Xaa
			20					25					30		

Arg	Asp	Lys	Tyr	Arg	Tyr	Phe	Ala	Cys	Leu	Met	Arg	Ala	Arg	Phe	Glu
		35					40					45			

Glu	His	Lys	Asn	Glu	Lys	Asp	Met	Ala	Lys	Ala	Thr	Gln	Leu	Xaa	Asn
	50					55					60				

Glu	Ala	Xaa	Gly	Lys	Asn	Ser	Gly	Thr	Ala	Xaa	Xaa	Thr	Ala	Ile	His
65					70					75					80

Leu Pro

5727

<210> 6477

<211> 48

<212> PRT

<213> Homo sapiens

<400> 6477

Ala	Leu	Leu	Leu	Gly	Lys	Lys	Gly	Ile	Glu	Lys	Asn	Leu	Gly	Ile	Gly
1				5				10					15		

Lys	Val	Ser	Ser	Phe	Glu	Glu	Lys	Met	Ile	Ser	Asp	Ala	Ile	Pro	Glu
		20					25					30			

Leu	Lys	Ala	Ser	Ile	Lys	Lys	Gly	Glu	Asp	Phe	Val	Lys	Thr	Leu	Lys
		35					40					45			

<210> 6478

<211> 158

<212> PRT

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<400> 6478

Arg	Val	Leu	Ala	Asp	Ile	Thr	Lys	Ser	Leu	Thr	Asn	Pro	Thr	Pro	Ile
1				5					10					15	

Gln	Gln	Gln	Leu	Arg	Arg	Phe	Thr	Glu	His	Asn	Ser	Ser	Pro	Asn	Val
			20					25					30		

Ser	Gly	Ser	Leu	Ser	Ser	Gly	Leu	Gln	Lys	Ile	Phe	Xaa	Asp	Pro	Thr
		35					40					45			

Asp	Ser	Asp	Leu	His	Lys	Leu	Lys	Ser	Pro	Ser	Gln	Asp	Asn	Thr	Asp
50						55						60			
Ser	Tyr	Phe	Arg	Gly	Lys	Thr	Leu	Leu	Leu	Val	Gln	Gln	Ala	Ser	Ser
65				70						75				80	
Gln	Ser	Met	Thr	Tyr	Ser	Glu	Lys	Asp	Glu	Arg	Glu	Ser	Ser	Leu	Pro
				85						90				95	
Asn	Gly	Arg	Ser	Val	Ser	Leu	Met	Asp	Leu	Gln	Xaa	Thr	His	Ala	Ala
		100						105						110	
Gln	Val	Glu	His	Ala	Ser	Val	Met	Leu	Asp	Val	Pro	Ile	Arg	Leu	Thr
		115						120				125			
Gly	Ser	Gln	Leu	Ser	Ile	Thr	Gln	Val	Ala	Ser	Ile	Lys	Gln	Leu	Arg
130						135						140			
Glu	Thr	Gln	Ser	Thr	Xaa	Gln	Ser	Ala	Pro	Gln	Val	Arg	Arg		
145						150				155					

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<400> 6479

Thr	Xaa	Xaa	Leu	Ser	Xaa	Ala	Phe	Xaa	Xaa	Glu	Asp	Pro	Gly	Leu	Arg
1				5					10					15	

Thr	Arg	Ala	Cys	Asp	Xaa	Ile	His	Ser	Ser	Ile	Val	Ala	Thr	Tyr	Xaa
			20					25					30		

Gln	Xaa	Thr	Gly	Arg	Arg	Ser	Thr	Thr	Ser	Thr	Thr	Gly	Lys	Thr	Leu
		35					40					45			

Glu	Leu	Pro	Asn	Leu	Xaa	Arg	Leu	Ala	Ala	His	Ala	Pro	Xaa	Xaa	Ser
	50					55					60				

Trp	Arg	Asn	Lys	Gly
65				

<210> 6480

5730

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6480

Ser	Gly	His	Ser	Asn	Tyr	Met	Val	Asp	Trp	Tyr	Gln	Gln	Arg	Pro	Gly
1				5					10					15	

Lys	Gly	Pro	Arg	Phe	Val	Met	Arg	Val	Gly	Thr	Ser	Gly	Val	Val	Gly
			20					25					30		

Pro	Arg	Gly	Asp	Gly	Ile	Pro	Asp	Arg	Phe	Ser	Val	Leu	Ala	Ser	Gly
		35					40					45			

Leu	Ser	Arg	Asp	Leu	Thr	Ile	Thr	Asn	Ile	Gln	Glu	Arg	Xaa
	50					55					60		

<210> 6481

<211> 62

<212> PRT

<213> Homo sapiens

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<400> 6481

Ile	Lys	Arg	Val	Ser	Leu	Leu	Xaa	Asn	Pro	Pro	Thr	Val	Gly	Gly	Gly
1				5					10					15	

Thr	Leu	Lys	Leu	Thr	Asp	Val	His	Pro	Xaa	Ile	Leu	Glu	Pro	Thr	Ser
			20					25					30		

Ala	Xaa	Ser	Thr	Thr	His	Pro	Xaa	Phe	Tyr	Pro	Asn	Xaa	Phe	Gly	Ala
		35					40					45			

Asn	Pro	Thr	Leu	Leu	Xaa	Leu	Phe	Pro	Pro	Xaa	Tyr	Pro	Leu
	50					55					60		

<210> 6482

<211> 118

<212> PRT

<213> Homo sapiens

<400> 6482

Pro	Thr	Gly	Pro	Asp	Pro	Ala	Gly	Lys	Glu	Gly	Glu	Gly	Gly	Gln	Ala
1				5					10					15	

Gln	Cys	Ser	Arg	Glu	His	Ala	Gly	Asp	Pro	Trp	Phe	Gln	Ser	Pro	Ala
			20					25					30		

Gly	Ala	Ala	Thr	Lys	Pro	Ala	Leu	Lys	Ser	Glu	Glu	Lys	Thr	Pro	Ile
		35					40					45			

Lys	Lys	Pro	Gly	Asp	Gly	Arg	Lys	Val	Thr	Phe	Phe	Glu	Pro	Gly	Ser
	50					55					60				

Gly	Asp	Glu	Asn	Gly	Thr	Ser	Asn	Lys	Glu	Asp	Glu	Phe	Arg	Met	Pro
65					70					75					80

Tyr	Leu	Ser	His	Gln	Gln	Leu	Pro	Ala	Gly	Ile	Leu	Pro	Met	Val	Pro
				85						90				95	

5732

Glu Val Ala Gln Ala Val Gly Val Ser Gln Gly His His Thr Lys Asp
100 105 110

Phe Thr Arg Ala Ala Pro
115

<210> 6483
<211> 96
<212> PRT
<213> Homo sapiens

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 <400> 6483
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 1 5 10 15

 His Ala Pro Phe Xaa Xaa Xaa Gly Ala Ala Leu Xaa Ala Gly Gly Ile
 20 25 30

 Trp Xaa Xaa Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu

5734

35 40 45
 Xaa Xaa Ser Ala Met Gln Xaa Val Asn Val Gly Tyr Xaa Leu Ile Ala
 50 55 60
 Ala Gly Val Val Val Phe Ala Leu Gly Xaa Leu Gly Xaa Tyr Gly Ala
 65 70 75 80
 Lys Thr Glu Ser Lys Xaa Ala Leu Val Thr Tyr Phe Tyr Ile Leu Leu
 85 90 95

<210> 6484

<211> 83

<212> PRT

<213> Homo sapiens

<220>

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<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6484

Ala Ser Ile Ala Ser Thr Ser Trp Arg His Phe Ala Glu Val Ala Tyr
 1 5 10 15

Ile Val Glu Gly Asp Phe Thr Gly Val Leu Leu Pro Glu Leu Val Val
 20 25 30

Ser Ile Val Leu Leu Leu Ser Lys Asn Ala Gly Leu Met Gln Glu Ala
 35 40 45

Gly Ala Val Pro Xaa Leu Gly Gly Leu Leu Glu His Leu Asp Arg Phe
 50 55 60

Asn His Leu Ala Pro Gly Lys Glu Arg Asp Asp His Glu Glu Leu Ala
 65 70 75 80

Cys Leu Ala

<210> 6485

<211> 94

<212> PRT

<213> Homo sapiens

5735

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<400> 6485
 Phe Asn Tyr Xaa Leu Asp Cys Leu Gly Asn Gly Arg Thr Glu Cys His
 1 5 10 15
 Cys Gly Ala Xaa Asn Cys Ser Gly Phe Leu Gly Val Arg Pro Lys Ser
 20 25 30
 Ala Cys Ala Xaa Thr Asn Glu Glu Lys Ala Lys Asn Ala Lys Leu Lys
 35 40 45
 Gln Lys Arg Arg Lys Ile Lys Thr Glu Pro Lys His Met His Glu Asp
 50 55 60
 Tyr Cys Phe Gln Cys Gly Asp Gly Gly Xaa Leu Val Met Cys Asp Lys
 65 70 75 80

5736

Lys Xaa Cys Pro Lys Tyr Thr Thr Phe Leu Leu Pro Xaa Xaa
85 90

<210> 6486

<211> 36

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6486

Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala Arg Lys Gln Arg
1 5 10 15

Asp Ser Glu Ile Met Gln Xaa Lys Gln Lys Lys Ala Asn Glu Lys Lys
20 25 30

Glu Glu Pro Lys
35

<210> 6487

<211> 69

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6487

Arg Arg Gln Val Gly Ala Ala Ala Val Ala Met Thr Arg Gly Asn Gln
1 5 10 15

Arg Glu Leu Thr Arg Gln Lys Asn Met Lys Lys Gln Ser Asp Ser Val
20 25 30

Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Xaa Arg Lys Gln
35 40 45

Arg Asp Ser Glu Ile Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys
50 55 60

5737

Lys Glu Glu Pro Lys
65

<210> 6488

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6488

Arg Lys Xaa Leu Ile Gln Arg Leu Leu Met Lys Asp Pro Lys Lys Arg
1 5 10 15

Leu Gly Cys Gly Pro Arg Asp Ala Asp Glu Ile Lys Glu His Leu Phe
20 25 30

Phe Gln Lys Ile Asn Trp Asp Asp Leu Ala Ala Lys Lys Val Pro Ala
35 40 45

Pro Phe Lys Pro Val Ile Arg Asp Glu Leu Asp Val Ser Asn Phe Ala
50 55 60

Glu Glu Phe Thr Glu Met Asp Pro Thr Tyr Ser Pro Ala Ala Leu Pro
65 70 75 80

Gln Ser Ser Glu Glu Ala Val Ser Gly Leu Phe Phe Val Ala Pro Ser
85 90 95

Ile Leu Phe Lys Arg Asn Ala Ala Val Ile Asp Pro Leu Gln Phe His
100 105 110

Met Gly Val Glu Arg Leu Glu
115

<210> 6489

<211> 88

<212> PRT

<213> Homo sapiens

<400> 6489

Gln Arg Phe Phe Gly Glu Val Leu Leu Tyr Phe Gln Met Ser Gln Ser
1 5 10 15

5738

Asp Asp Arg Asp Ser Lys Arg Asp Ser Leu Glu Glu Gly Glu Leu Arg
 20 25 30
 Asp His Arg Met Glu Ile Thr Ile Arg Asn Ser Pro Tyr Arg Arg Glu
 35 40 45
 Asp Ser Met Glu Asp Ile Ser Pro Gln Leu Pro Leu Leu Thr Arg Thr
 50 55 60
 Ser Cys Pro Ser Cys Leu His Leu Ser Val Pro Leu Glu Trp Met Ala
 65 70 75 80
 Gly Gly Glu Val Glu Ala Asp Ser
 85

<210> 6490

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6490

Glu Leu Ser Ser Val Val Ser Ser Ser Gly Thr Glu Gly Ala Ser Ser
 1 5 10 15
 Leu Glu Lys Lys Glu Val Pro Gly Val Asp Phe Ser Ile Thr Gln Phe
 20 25 30
 Val Arg Asn Leu Gly Leu Glu His Leu Met Asp Ile Phe Xaa Arg Glu
 35 40 45
 Gln Ile Thr Leu Asp Val Leu Val Glu Met Gly His Lys Glu Leu Lys
 50 55 60
 Glu Ile Gly Ile Asn Ala Tyr Gly His Arg His Lys Leu Ile Lys Gly
 65 70 75 80
 Val Glu Arg Leu Ile Ser Gly Gln Gln Gly Leu Asn Pro Tyr Leu Thr
 85 90 95
 Leu Asn Thr Ser Gly Ser Gly Thr Ile Leu Ile Asp Leu Ser Pro Asp
 100 105 110
 Asp Lys Glu Phe Gln Ser Val Glu Glu Glu Met Gln Ser Thr Val Arg
 115 120 125

5739

Glu His Arg Asp Gly Gly His Ala Gly Gly Ile Phe Asn Arg Tyr Asn
130 135 140

Ile Leu Lys Ile Gln Lys Val Cys Asn
145 150

<210> 6491

<211> 129

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (9)

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<222> (112)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6491

Val Gln Ser Gly Ala Glu Xaa Lys Xaa Ser Gly Glu Ser Leu Ser Ile
1 5 10 15

Ser Cys Gln Val Ser Gly Tyr Thr Leu Thr Ser Tyr Trp Ile Asn Trp
20 25 30

5740

Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met	Gly	Arg	Leu	Asp
		35					40					45			
Pro	Ser	Asp	Ser	Phe	Ile	Asn	Tyr	Asn	Pro	Ser	Phe	Glu	Gly	His	Ile
	50					55					60				
Ser	Ile	Ser	Ala	Asp	Lys	Phe	Ile	Ser	Thr	Ala	Tyr	Leu	Lys	Trp	Asn
65					70				75						80
Thr	Leu	Glu	Ala	Ser	Asp	Thr	Ala	Met	Tyr	Tyr	Cys	Ala	Leu	Ser	Gly
				85					90					95	
Arg	Gln	Gln	Leu	Val	Pro	Val	Tyr	Trp	Gly	Gln	Gly	Thr	Gln	Val	Xaa
			100					105					110		
Arg	Leu	Leu	Xaa	Asn	Pro	Xaa	Gln	Xaa	Gln	Arg	Leu	Ser	Ala	Glu	Pro
		115					120					125			

Leu

<210> 6492

<211> 86

<212> PRT

<213> Homo sapiens

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5742

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<220>

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<400> 6492

Leu	Xaa	Lys	Phe	Ser	Val	Arg	Phe	Lys	Glu	Asn	Ser	Val	Ala	Val	Lys
1				5					10					15	

Val	Val	Gln	Gly	Pro	Ala	Gly	Gly	Asp	Asn	Xaa	Lys	Xaa	Arg	Tyr	Lys
		20						25					30		

Lys	Lys	Gly	Ser	His	Cys	Leu	Xaa	Val	Thr	Xaa	Gln	Leu	Gly	Gly	Gly
		35					40					45			

Thr	Met	Gln	Arg	Trp	Xaa	Xaa	Leu	Pro	Pro	Glu	Pro	Ala	Leu	Ile	Xaa
	50					55					60				

Leu	Xaa	Pro	Xaa	Phe	Phe	Gly	Gly	Xaa	Phe	Xaa	Xaa	Xaa	Xaa	Xaa	Gly
65					70					75					80

Gly	Xaa	Gly	Xaa	Gly	Val
				85	

<210> 6493

<211> 31

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

5743

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<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6493

Phe His Lys Ala Tyr Ala Xaa Leu Val Xaa Ser Trp His Ser Leu Thr
1 5 10 15

Pro Val Ser Ser Asp His Xaa Phe Ser Xaa Trp Arg Ile Tyr His
20 25 30

<210> 6494

<211> 135

<212> PRT

<213> Homo sapiens

<400> 6494

Trp Glu Arg Leu Pro Ser Leu Ala Leu Lys Ala Ser Ser Leu Asp Leu
1 5 10 15

Ala Thr Ala Ala Leu Thr Val Met Leu Asp Ser Val Thr His Ser Thr
20 25 30

Phe Leu Pro Asn Ala Ser Phe Cys Asp Pro Leu Met Ser Trp Thr Asp
35 40 45

Leu Phe Ser Asn Glu Glu Tyr Tyr Pro Ala Phe Glu His Gln Thr Ala
50 55 60

Cys Asp Ser Tyr Trp Thr Ser Val His Pro Glu Tyr Trp Thr Lys Arg
65 70 75 80

His Val Trp Glu Trp Leu Gln Phe Cys Cys Asp Gln Tyr Lys Leu Asp
85 90 95

Thr Asn Cys Ile Ser Phe Cys Asn Phe Asn Ile Ser Gly Leu Gln Leu
100 105 110

Cys Ser Met Thr Gln Glu Glu Phe Val Glu Ala Ala Gly Leu Cys Gly
115 120 125

Glu Tyr Leu Tyr Phe Gln Phe

5744

130

135

<210> 6495

<211> 131

<212> PRT

<213> Homo sapiens

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6495

Pro	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val	Xaa
1				5				10						15	

Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg
		20						25					30		

Gly	Lys	Leu	Asn	Lys	Met	Asp	Gly	Ser	Arg	Lys	Glu	Glu	Glu	Glu	Asp
		35					40					45			

Ser	Thr	Phe	Thr	Asn	Ile	Ser	Leu	Ala	Asp	Asp	Ile	Asp	His	Ser	Ser
		50				55					60				

Arg	Ile	Leu	Tyr	Pro	Arg	Pro	Lys	Ser	Leu	Leu	Pro	Lys	Met	Met	Asn
	65				70					75					80

Ala	Asp	Met	Asp	Asp	Leu	Ser	Ala	Arg	Val	Asp	Ala	Val	Lys	Glu	Glu
				85					90					95	

Asn	Leu	Lys	Leu	Lys	Ser	Glu	Asn	Gln	Val	Leu	Xaa	Gln	Tyr	Ile	Glu
			100					105					110		

Asn	Leu	Met	Ser	Ala	Ser	Ser	Val	Phe	Gln	Thr	Thr	Asp	Thr	Lys	Ser
		115					120					125			

Lys	Arg	Lys
		130

<210> 6496

<211> 44

5745

<212> PRT

<213> Homo sapiens

<400> 6496

Ile Asn Ile His Lys Cys Tyr Phe Leu Phe Leu Tyr Phe Ile Phe Phe
1 5 10 15

Ser Pro Phe Gln Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
20 25 30

Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
35 40

<210> 6497

<211> 129

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (53)

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<223> Xaa equals any of the naturally occurring L-amino acids

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5746

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<220>
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<400> 6497
 Trp Xaa Glu Ser Gly Leu Pro Ala Val Ala Ala Thr Leu Lys Leu Xaa
 1 5 10 15
 Xaa Pro Pro Gly Cys Met Asn Ser Ala Arg Gly Leu Leu Arg Thr Leu
 20 25 30
 His Gly Ala Arg His Met Val Arg Asp Ala Pro Glu Ile Pro Gln Gly
 35 40 45
 Gly Ser Pro Ala Xaa Cys Ser Xaa Phe Arg Pro Asn Pro Glu Leu Thr
 50 55 60

5747

Glu Ala Leu Thr Thr Ser Phe Val Arg Arg Leu Phe Trp Gly Ser Xaa
 65 70 75 80

Gly Ala Xaa Thr Pro Leu Ala Glu Xaa Leu Arg Thr Xaa Ser Ala Ser
 85 90 95

Ser Ser Asp Pro Val Ser Ala Pro Xaa Ser Leu Thr Ala Glu Xaa Xaa
 100 105 110

Xaa Gln Pro Ser Ser Tyr Xaa Gly Thr Pro Arg Phe Leu Arg Ile Pro
 115 120 125

Glu

<210> 6498

<211> 104

<212> PRT

<213> Homo sapiens

<400> 6498

Pro Arg Val Arg Glu Asp Glu Gln Phe Pro Ser Ile Pro Ala Leu Val
 1 5 10 15

His Ser Tyr Met Thr Gly Arg Arg Pro Leu Ser Gln Ala Thr Gly Ala
 20 25 30

Val Val Ser Arg Pro Val Thr Trp Gln Gly Pro Leu Arg Arg Ser Phe
 35 40 45

Ser Glu Asp Thr Leu Met Asp Gly Pro Ala Arg Ile Glu Pro Ile Arg
 50 55 60

Ala Arg Lys Trp Ser Asn Ser Gln Pro Ala Asp Leu Ala His Met Gly
 65 70 75 80

Gln Ser Arg Glu Asp Pro Ala Gly Met Glu Ala Ser Thr Met Pro Ile
 85 90 95

Ser Ala Leu Pro Arg Thr Ser Ser
 100

<210> 6499

<211> 190

<212> PRT

<213> Homo sapiens

5748

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<400> 6499
Ala Ser Gly Thr Trp Asn Ala Pro Ala Gly Trp Cys Pro Gly Val Leu
1 5 10 15
Ser Pro Leu Leu Pro Thr Ser Ala Gly Pro Val Ser Ser Cys Ala Gln
20 25 30
Cys Gly Pro Val Ser Ala Pro Ala Ala Leu Ser Pro Pro His Ala Gly
35 40 45

5749

Ser Arg Pro Gly His Arg Ala Val Xaa Cys Phe Pro Thr Ala Ala Gly
 50 55 60
 Thr Ala Arg His Thr Gln Gly Leu Gly Arg Ala Gly Gly His Thr Ala
 65 70 75 80
 Trp Leu Ser Cys Ser Trp Ser Pro Ala Ser Pro Arg Arg Pro Gly Gly
 85 90 95
 Ser Ile Ser Gln Glu Ala Arg Ser Pro Pro Gly Gly Trp Ala Gln Pro
 100 105 110
 Arg Gln Met Asp Glu Lys Thr Xaa Lys Ala Xaa Glu Met Ala Leu Ser
 115 120 125
 Leu Thr Arg Ala Val Ala Gly Gly Asp Glu Gln Val Ala Met Lys Cys
 130 135 140
 Ala Ile Trp Leu Ala Glu Gln Arg Val Pro Leu Ser Val Gln Leu Lys
 145 150 155 160
 Pro Glu Val Ser Pro Thr Gln Asp Ile Arg Phe Leu Met Xaa Gln Asn
 165 170 175
 Gly His Ser Ser Xaa Ile Gln Pro Xaa Xaa Xaa Gln Gly Gly
 180 185 190

<210> 6500

<211> 86

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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 <400> 6500
 Xaa Ile Pro Ile Leu Asn Pro Phe Xaa Ile Arg Leu Thr Ile Gly Lys
 1 5 10 15

 Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
 20 25 30

 Arg Xaa Ala Xaa Lys Gln Ala Gly Gln Lys Lys Lys Gln Gly His Asp
 35 40 45

 Xaa Lys Ala Ala Xaa Lys Ala Ala Leu Ile Tyr Thr Cys Thr Val Cys
 50 55 60

 Arg Thr Xaa Met Xaa Asp Pro Xaa Thr Xaa Lys Gln His Phe Glu Ser
 65 70 75 80

 Lys His Pro Lys Thr Pro
 85

5751

<210> 6501

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6501

Gln Met Arg Val Lys Asp Pro Thr Lys Ala Leu Pro Glu Lys Ala Lys
 1 5 10 15

Arg Ser Lys Arg Pro Thr Val Pro His Asp Glu Asp Ser Ser Asp Asp
 20 25 30

Ile Ala Val Gly Leu Thr Cys Gln His Val Ser His Ala Ile Ser Val
 35 40 45

Asn His Val Lys Arg Ala Ile Ala Glu Asn Leu Trp Ser Val Cys Ser
 50 55 60

Glu Cys Leu Lys Glu Arg Gly Phe Tyr Asp Gly Gln Leu Val Leu Thr
 65 70 75 80

Ser Asp Ile Trp Leu Cys Leu Lys Cys Gly Phe Gln Gly Cys Gly Lys
 85 90 95

Asn Ser Xaa Ser Gln His Ser
 100

<210> 6502

<211> 92

<212> PRT

<213> Homo sapiens

<400> 6502

Ile Leu Lys Val Gly Ala Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly
 1 5 10 15

Ile Ser Thr Pro Ser Phe Ser Ser Tyr Tyr Lys Gly Gly Phe Glu Gln
 20 25 30

Lys Met Ser Arg Arg Glu Ala Gly Leu Ile Leu Gly Val Ser Pro Ser
 35 40 45

5752

Ala Gly Lys Ala Lys Ile Arg Thr Ala His Arg Arg Val Met Ile Leu
 50 55 60

Asn His Pro Asp Lys Gly Gly Ser Pro Tyr Val Ala Ala Lys Ile Asn
 65 70 75 80

Glu Ala Lys Asp Leu Leu Glu Thr Thr Thr Lys His
 85 90

<210> 6503

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6503

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Glu Glu Ser Met Asn
 1 5 10 15

Glu Ser His Pro Arg Lys Cys Ala Glu Ser Phe Glu Met Trp Asp Asp
 20 25 30

Arg Asp Ser His Cys Arg Arg Pro Lys Phe Glu Gly His Pro Pro Glu
 35 40 45

Ser Trp Lys Trp Ile Leu Ala Pro Val Ile Leu Tyr Ile Cys Glu Arg
 50 55 60

Ile Leu Arg Phe Tyr Arg Ser Gln Gln Lys Val Val Ile Thr Lys Val
 65 70 75 80

Val Met His Pro Ser Lys Val Leu Glu Leu Gln Met Asn Lys Arg Gly
 85 90 95

Phe Ser Met Glu Val Gly Gln Tyr Ile Phe Val Asn Cys Pro Ser Ile
 100 105 110

Ser Leu Leu Gly Met Ala Ser Phe Tyr Phe Asp Leu Cys Ser Arg Gly
 115 120 125

Arg Phe Leu Leu His Ser Tyr Xaa Ser Ser Arg Gly Leu Asp Arg Lys
 130 135 140

Ser Ile Arg

5753

145

<210> 6504

<211> 137

<212> PRT

<213> Homo sapiens

<400> 6504

Glu	Gly	Asn	Arg	Ser	Asp	Val	Thr	Ser	Val	Lys	Asp	Ala	Lys	Ile	Ala
1				5					10					15	

Val	Tyr	Ser	Cys	Pro	Phe	Asp	Gly	Met	Ile	Thr	Glu	Thr	Lys	Gly	Thr
			20					25					30		

Val	Leu	Ile	Lys	Thr	Ala	Glu	Glu	Leu	Met	Asn	Phe	Ser	Lys	Gly	Glu
		35					40					45			

Glu	Asn	Leu	Met	Asp	Ala	Gln	Val	Lys	Ala	Ile	Ala	Asp	Thr	Gly	Ala
	50					55					60				

Asn	Val	Val	Val	Thr	Gly	Gly	Lys	Val	Ala	Asp	Met	Ala	Leu	His	Tyr
65					70					75					80

Ala	Asn	Lys	Tyr	Asn	Ile	Met	Leu	Val	Arg	Leu	Asn	Ser	Lys	Trp	Asp
				85					90					95	

Leu	Arg	Arg	Leu	Cys	Lys	Thr	Val	Gly	Ala	Thr	Ala	Leu	Pro	Arg	Leu
			100					105					110		

Thr	Pro	Pro	Val	Leu	Glu	Glu	Met	Gly	His	Cys	Asp	Ser	Val	Tyr	Ser
			115				120					125			

Pro	Glu	Val	Trp	Arg	Tyr	Ser	Gly	Gly
	130					135		

<210> 6505

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5754

<222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (48)
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 <220>
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 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6505
 Leu Gln Leu Xaa Ser Xaa Gly Gly Lys Lys Arg Pro Leu Gly Phe Asn
 1 5 10 15

 Pro Ala Pro Phe Gly Pro Lys Gly Phe Asn Pro Arg Gly Xaa Pro Pro
 20 25 30

 Gly Lys Asn Phe Ser Pro Gly Gly Gly Xaa Arg Asn Pro Gln Thr Xaa
 35 40 45

 Pro Phe Pro Arg Gly Pro Gly Gly Xaa Pro Glu Thr Xaa Phe Gly Lys
 50 55 60

5755

Lys Pro Pro Ile Gly Gly Pro Arg Ala Leu Pro Val Ser Gln Arg Glu
 65 70 75 80

Thr Phe Ser Pro Thr Pro Lys Arg Thr Trp Phe Trp Gly Phe Leu Asn
 85 90 95

Pro Gly Xaa Pro Thr Lys Thr Arg Val Cys Pro Xaa Ala
 100 105

<210> 6506

<211> 133

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6506

Ala Ala Ala Glu His Arg Arg Gly Arg Lys Lys Asp Glu Val Arg Glu
 1 5 10 15

Gly Ala Gly Phe Leu Glu Pro Gln Gly Ser Thr Glu Leu Ser Lys Xaa
 20 25 30

Val Pro Val Asn Trp Glu Pro Pro Gln Pro Leu Pro Phe Pro Lys Tyr
 35 40 45

Leu Arg Cys Tyr Arg Cys Leu Leu Glu Thr Lys Glu Leu Gly Cys Leu
 50 55 60

Leu Gly Ser Asp Ile Cys Leu Thr Pro Ala Gly Ser Ser Cys Ile Thr
 65 70 75 80

Leu His Lys Lys Asn Ser Ser Gly Ser Asp Val Met Val Ser Asp Cys
 85 90 95

Arg Ser Lys Glu Gln Met Ser Asp Cys Ser Asn Thr Arg Thr Ser Pro
 100 105 110

Val Ser Gly Phe Trp Ile Phe Ser Gln Tyr Cys Phe Leu Asp Phe Cys
 115 120 125

5756

Asn Asp Pro Xaa Asn
130

<210> 6507

<211> 45

<212> PRT

<213> Homo sapiens

<400> 6507

Ser Cys Thr Met Pro Ser Ser Ile Ile Thr Leu Lys Asn Gly Ile Gln
1 5 10 15

Asn Met Leu Gln Phe Tyr Ile Pro Glu Val Glu Gly Val Glu Gln Val
20 25 30

Met Asp Asp Glu Ser Asp Glu Lys Glu Ala Asn Ser Pro
35 40 45

<210> 6508

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6508

Ser Ala Pro Lys Ala Pro Ala Thr Pro Gly Ala Gln Xaa Ala Pro Asp
1 5 10 15

Val Arg Leu Leu Tyr Val Leu Ala Ile Ala Ala Leu Gly Gly Leu Cys
20 25 30

Leu Ile Leu Ala Ser Ser Leu Leu Tyr Val Ala Cys Leu Arg Glu Gly
35 40 45

Arg Arg Gly Arg Arg Arg Lys Tyr Ser Leu Gly Arg Ala Asn Xaa Gly
50 55 60

Arg Arg Ile Cys Gly Ala Thr Ala

5757

65

70

<210> 6509

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6509

Ser	Gly	Val	Ser	Xaa	Phe	Ser	Asn	Pro	Val	Gln	Tyr	Trp	Glu	Ile	Gln
1				5					10					15	

Pro	Ser	Thr	Phe	Arg	Cys	Val	Tyr	Val	Arg	Ser	Ala	Ile	Gln	Leu	Gly
			20					25					30		

Asn	Tyr	Lys
		35

<210> 6510

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

5758

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6510
 Asn Ser Ala Arg Ala Ser Ala Leu Lys Gln Tyr Xaa Arg Ser Leu Pro
 1 5 10 15
 Glu Pro Leu Met Thr Tyr Glu Leu His Gly Asp Phe Ile Val Pro Ala
 20 25 30
 Lys Ser Gly Ser Pro Glu Ser Xaa Val Asn Ala Ile His Phe Leu Val
 35 40 45
 His Lys Leu Pro Glu Lys Asn Lys Glu Met Leu Asp Ile Leu Val Lys
 50 55 60
 His Leu Thr Asn Val Xaa Asn Xaa Ser Lys Gln Asn Xaa Xaa Thr Val
 65 70 75 80
 Ala Asn Leu Gly Val Val Phe Gly Pro Thr Leu Met Arg Pro Gln Glu
 85 90 95
 Glu Thr Val Ala Ala Leu Met Asp Phe Glu Val Ser Xaa Tyr Cys Cys
 100 105 110
 Gly Lys Ser
 115

<210> 6511
 <211> 129
 <212> PRT
 <213> Homo. sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

5759

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6511

Thr	Gly	Asn	Lys	Met	Gln	Asp	Pro	Asn	Ala	Asp	Thr	Glu	Trp	Asn	Asp
1				5					10					15	

Ile	Leu	Arg	Lys	Lys	Gly	Ile	Leu	Pro	Pro	Lys	Glu	Ser	Leu	Lys	Glu
			20					25					30		

Leu	Glu	Glu	Glu	Ala	Glu	Glu	Glu	Gln	Arg	Ile	Leu	Gln	Gln	Ser	Val
		35					40					45			

Val	Lys	Thr	Tyr	Glu	Asp	Met	Thr	Leu	Glu	Glu	Leu	Glu	Asp	His	Glu
	50					55					60				

Asp	Glu	Phe	Asn	Glu	Glu	Asp	Glu	Arg	Ala	Ile	Glu	Met	Tyr	Arg	Arg
65					70					75					80

Arg	Arg	Leu	Ala	Glu	Trp	Lys	Ala	Thr	Lys	Leu	Lys	Asn	Lys	Phe	Gly
				85					90					95	

Glu	Val	Leu	Glu	Ile	Ser	Xaa	Lys	Asp	Tyr	Val	Gln	Glu	Val	Thr	Lys
		100						105					110		

Ala	Gly	Glu	Gly	Leu	Xaa	Val	Ile	Leu	His	Leu	Tyr	Asn	Gln	Gly	Ile
		115					120					125			

Pro

<210> 6512

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

5760

<400> 6512

Phe Glu Lys Tyr Met Leu Thr Val Gln Tyr Phe Ser Ile Ile Phe Pro
 1 5 10 15
 Leu Phe Tyr Arg Ala Asn Val Lys Pro Arg Asn Ser Thr Pro Pro Ser
 20 25 30
 Leu Ala Arg Asn Pro Ala Pro Gly Val Leu Thr Asn Lys Arg Lys Thr
 35 40 45
 Tyr Thr Glu Ser Tyr Ile Ala Arg Pro Asp Gly Asp Cys Ala Ser Ser
 50 55 60
 Leu Asn Gly Gly Asn Ile Lys Gly Ile Glu Gly His Ser Pro Gly Asn
 65 70 75 80
 Leu Pro Lys Phe Cys His Glu Cys Gly Thr Lys Tyr Pro Val Glu Xaa
 85 90 95
 Ala Lys Phe Cys Xaa Glu Cys Gly Ile Arg Arg Met Ile Leu
 100 105 110

<210> 6513

<211> 75

<212> PRT

<213> Homo sapiens

<400> 6513

Val Pro Ala Ala Gly Thr Pro Arg Ala Asn Gln Pro Gly Phe Arg Lys
 1 5 10 15
 His Leu Gly Leu Leu Glu Lys Lys Lys Asp Tyr Lys Leu Arg Ala Asp
 20 25 30
 Asp Tyr Arg Lys Lys Gln Glu Tyr Leu Arg Ala Leu Arg Lys Lys Ala
 35 40 45
 Leu Glu Lys Asn Pro Asp Glu Phe Tyr Tyr Lys Met Thr Arg Val Lys
 50 55 60
 Leu Gln Asp Gly Phe His Val Ile Glu Gly Asp
 65 70 75

<210> 6514

<211> 70

<212> PRT

<213> Homo sapiens

5761

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6514
 Xaa Val Phe Glu Xaa Xaa Ala Pro Gly Xaa Tyr Lys Phe Tyr Leu Gln
 1 5 10 15
 Asn Arg Ser Leu Pro Gln Ser Xaa Pro Val Leu Lys Val Thr Leu Ala
 20 25 30
 Val Ser Asp Leu Gln Lys Ser Leu Asn Tyr Trp Cys Tyr Leu Leu Gly
 35 40 45
 Met Lys Ile Tyr Glu Lys Tyr Tyr Lys Ser Tyr Arg Ala Cys Leu Gly
 50 55 60
 Phe Leu Lys Asn Pro Cys
 65 70

<210> 6515
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

5762

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6515

Ser	Trp	Tyr	Pro	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His
1				5					10					15	

Ala	Ser	Val	Glu	Leu	Asn	Glu	Leu	Leu	Leu	Asp	Lys	Asn	Gln	Glu	Pro
			20					25					30		

Gln	Trp	Arg	Glu	Thr	Ala	Arg	Trp	Ile	Lys	Phe	Glu	Glu	Asp	Val	Asp
		35					40					45			

Glu	Asp	Ala	His	Asp	Ser	Glu	Ala	Lys	Val	Ala	Ser	Leu	Arg	Gly	Met
	50					55					60				

Glu	Leu	Gln	Gly	Cys	Ala	Ser	Thr	Gln	Val	Glu	Ser	Xaa	Asn	Asn	Gln
65					70					75					80

Xaa	Glu	Gln	Lys	Gln	Val	Arg	Leu	Pro	Glu	Ser	Arg	Leu	Thr	Pro	Trp
			85						90					95	

Glu	Val	Xaa	Phe	Ile	Gly	Xaa	Glu	Lys	Glu	Glu	Arg	Asp	Arg	Leu	His
			100					105					110		

Leu	Lys	Ala	Xaa	Glu	Glu	Leu	Asn	Gln	Xaa
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5763

115

120

<210> 6516

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6516

Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Glu	Asn	Glu	Tyr	Gln	Ala	Xaa	Ser
1				5				10						15	

Val	Pro	Pro	Thr	Arg	Leu	Leu	Ile	Lys	Glu	Pro	Ser	Lys	Arg	Val	Gly
			20					25					30		

His	Phe	Arg	Gly	Leu	Gln	Asn	Trp	Lys	Ala	Xaa	Ser	Phe	Thr	Met
			35				40					45		

<210> 6517

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

5764

<400> 6517

Gly Gly Xaa Xaa Gly Xaa Pro Leu Tyr Leu His Leu Leu Met Ser Leu
1 5 10 15
His Arg Ala Arg Leu Glu Ser Ser Ser Thr Gly Ser Ser Phe Pro Ala
20 25 30
Asp Ser Ala Lys Pro Val Pro Leu Ala Val Val Ser Leu Asp Ser Arg
35 40 45

<210> 6518

<211> 31

<212> PRT

<213> Homo sapiens

<400> 6518

Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Thr Thr Ala Leu Glu Leu
1 5 10 15
Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Glu Gln Asn Gln Trp
20 25 30

<210> 6519

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6519

Ala Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala
1 5 10 15
Val Thr Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser
20 25 30

5765

Ala Arg Gly Tyr Thr Gly Asn Gly
 35 40

<210> 6520

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6520

Xaa Xaa His Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
 1 5 10 15

Ala Val Xaa Ser Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
 20 25 30

Ser Ala Arg Ser Ala Arg Ala Lys Asp Thr Asn Leu Val Phe Pro Gly
 35 40 45

Ile Glu Gln Gln Ala Phe Gln Asp Cys His Pro
 50 55

<210> 6521

<211> 66

<212> PRT

<213> Homo sapiens

<220>

5766

<221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6521
 Gly Phe Xaa Xaa Leu Thr Arg Ile Thr Leu Thr Lys Gly Asn Lys Ser
 1 5 10 15
 Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro
 20 25 30
 Gly Cys Arg Asn Ser Ala Arg Ala Leu Ser Arg Pro Phe Ser Xaa Cys
 35 40 45
 Pro Arg Ala Xaa Thr Ala Pro Arg Xaa Arg Arg Trp Asn Ala Arg Thr
 50 55 60
 Xaa Gly
 65

 <210> 6522
 <211> 41
 <212> PRT
 <213> Homo sapiens

5767

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6522
 Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Asn Glu Ser Tyr
 1 5 10 15
 Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa Arg Asp Trp Glu Asn Pro
 20 25 30
 Xaa Thr Xaa Pro Ser Xaa Xaa Gly Pro
 35 40

<210> 6523
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)

5768

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6523

Arg	Xaa	Gln	Lys	Leu	Ala	Xaa	Pro	Pro	Gln	Val	Ala	Ala	Ala	Leu	Glu
1				5					10					15	

Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Ala	Ala	Arg	Ala
			20					25					30		

Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg	Ile
		35					40					45			

Thr	Ile	His	Trp	Pro	Ser	Phe	Xaa	Asn	Val	Val	Thr	Gly	Lys	Thr	Gln
	50					55					60				

Xaa	Xaa	Xaa	Ile
			65

<210> 6524

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5769

<221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6524
 Leu Val Pro Lys Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa Glu Ser
 1 5 10 15
 Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Lys
 20 25 30
 Pro Xaa Xaa Xaa
 35

<210> 6525
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6525
 Ala Ala Arg Gly Gly Pro Gly Thr Asn Ser Pro Tyr Ser Glu Ser Tyr
 1 5 10 15
 Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Pro Xaa Xaa

5770

20

25

30

Xaa

<210> 6526

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6526

Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val	Ala
1				5				10						15	

Ala	Ala	Leu	Glu	Leu	Val	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val
			20					25					30		

Ser	Arg	Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly
		35					40					45			

Lys	Thr	Gln	Xaa	Xaa	Xaa
					50

<210> 6527

<211> 69

<212> PRT

<213> Homo sapiens

<220>

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5771

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<400> 6527
Asp Ser Pro Leu Arg Lys Val Pro Ser Leu Lys Gly Asn Lys Ser Gly
1 5 10 15
Ser Ser Thr Ala Val Xaa Val Val Leu Gln Leu Val Asp Pro Pro Gly
20 25 30
Cys Arg Asn Ser Val Arg Ala Arg Asp Xaa Pro Met Lys Ser Gly Gly
35 40 45
Trp Phe Ile His Trp Lys Cys Cys Val Xaa Ala Xaa Xaa Lys Xaa Thr
50 55 60
Xaa Thr Ser Glu Glu
65

<210> 6528
<211> 36

5772

<212> PRT

<213> Homo sapiens

<220>

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6528

Gly	Thr	Ser	Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Xaa
1				5				10						15	

Glu	Ser	Tyr	Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Xaa	Asp	Trp
			20					25					30		

Glu	Thr	Xaa	Lys
			35

<210> 6529

<211> 68

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6529

Pro	Ser	Xaa	Lys	Arg	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val	Ala	Ala
1				5				10						15	

Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Ala
			20					25					30		

5773

Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val
 35 40 45

Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Ile Pro
 50 55 60

Pro Lys Lys Xaa
 65

<210> 6530

<211> 33

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6530

Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa Glu Ser Tyr
 1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Xaa
 20 25 30

Asn

<210> 6531

<211> 36

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6531

Gly	Thr	Ser	Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Xaa
1				5				10						15	

Glu	Ser	Tyr	Xaa	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp
			20					25					30		

Glu	Asn	Pro	Xaa
			35

<210> 6532

<211> 61

<212> PRT

<213> Homo sapiens

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5775

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6532
Gly Xaa Ile Trp Xaa Xaa Ser Thr Lys Lys Trp Arg Phe Ala Leu Glu
1 5 10 15
Leu Val Asp Pro Pro Gly Cys Arg Asn Pro Ala Arg Ala Xaa Thr Arg
20 25 30
Gly Gly Pro Val Pro Xaa Ser Pro Tyr Ser Glu Ser Xaa Tyr Asn Ser
35 40 45
Leu Xaa Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro
50 55 60

<210> 6533
<211> 49
<212> PRT
<213> Homo sapiens

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5776

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<400> 6533
Ser Lys Val Ser Ser Xaa Ile Lys Gly Thr Xaa Gly Pro Ala Pro Xaa
1 5 10 15
Lys Val Ala Phe Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30
Pro Xaa Arg Ala Xaa Xaa Gly Gly Ala Arg Phe Pro Ile Arg Pro Ile
35 40 45

Xaa

<210> 6534
<211> 41
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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5777

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6534

Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Xaa	Glu	Ser	Tyr
1				5					10					15	

Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Leu	Asp	Trp	Glu	Asn	Pro
			20					25					30		

Asn	Xaa	Phe	Leu	Cys	Xaa	Phe	Xaa	Xaa
		35					40	

<210> 6535

<211> 36

<212> PRT

<213> Homo sapiens

<220>

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6535

Gly	Thr	Ser	Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Xaa
1				5					10					15	

Glu	Ser	Tyr	Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp
			20					25					30		

Glu	Asn	Pro	Lys
		35	

<210> 6536

<211> 40

<212> PRT

<213> Homo sapiens

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5778

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6536
Xaa Gly Thr Xaa Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
1 5 10 15
Xaa Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
20 25 30
Trp Glu Asn Pro Xaa Xaa Phe Pro
35 40

<210> 6537
<211> 62
<212> PRT
<213> Homo sapiens

<220>
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<222> (5)
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<223> Xaa equals any of the naturally occurring L-amino acids

5779

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6537

Leu Lys Ala Pro Xaa Gly Thr Arg Gly Xaa Arg Arg Ser Ile Ser Ser
1 5 10 15

Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Pro Arg Gly Gly
20 25 30

Pro Val Pro Ser Ser Xaa Phe Ser Glu Ser Tyr Tyr Asn Ser Leu Ala
35 40 45

Val Val Leu Gln Arg Arg Xaa Trp Glu Asn Pro Cys Leu Leu
50 55 60

<210> 6538

<211> 80

<212> PRT

<213> Homo sapiens

<220>

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5780

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<400> 6538
Arg Arg Xaa Gly Glu Xaa Cys Ser Xaa Ile Asn Pro Gln Ile Xaa Gly
1 5 10 15
Lys Lys Ile Trp Ser Ser Thr Ala Val Ala Asp Ala Leu Xaa Leu Val
20 25 30
Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Ala Arg Gly Gly Ala
35 40 45
Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro
50 55 60
Ser Phe Tyr Asn Val Val Thr Gly Lys Thr Gln Xaa Xaa Xaa Xaa Gly
65 70 75 80

<210> 6539
<211> 48
<212> PRT
<213> Homo sapiens

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5781

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6539
 Xaa Gly Xaa Glu Gly Tyr Ile Arg Leu Ala Xaa Gln Leu Thr Leu Xaa
 1 5 10 15
 Asn Gly Asn Lys Thr Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu
 20 25 30
 Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Xaa Xaa Xaa
 35 40 45

<210> 6540
 <211> 107
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 <213> Homo sapiens

<220>

5782

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 <400> 6540
 Phe Xaa Ser Pro Gly Cys Arg Asn Ser Ile Ser Ser Leu Ser Ile Pro
 1 5 10 15

 Xaa Thr Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
 20 25 30

 Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
 35 40 45

 Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala Gln Ser Pro Phe Xaa
 50 55 60

 Gln Leu Gly Val Ile Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln
 65 70 75 80

 Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Xaa Ala
 85 90 95

 Leu Ser Ala Xaa Val Xaa Trp Leu Pro Ala Val
 100 105

5783

<210> 6541

<211> 68

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6541

Xaa	Lys	Val	Xaa	Ala	Thr	Arg	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser
1				5					10					15	

Thr	Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg
			20					25					30		

Asn	Ser	Ala	Arg	Asp	Phe	Gln	Val	Asp	Phe	Ser	Ala	Ser	Ser	Lys	Thr
		35					40					45			

Asp	Cys	Phe	Phe	Ser	Gly	Leu	Thr	Leu	Cys	Gly	Phe	Phe	Phe	Phe	Ser
	50						55				60				

Leu	Asn	Leu	Ile
65			

<210> 6542

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

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5784

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<400> 6542
 Thr Ala Ala Ala Ala Ala Xaa Glu Leu Gly Asp Xaa Pro Gly Cys Arg
 1 5 10 15
 Asn Ser Ile Ser Ser Leu Ser Ile Pro Ser Thr Ser Arg Gly Gly Pro
 20 25 30

5785

Val Pro Asn Ser Pro Tyr Xaa Glu Ser Xaa Tyr Asn Ser Leu Ala Val
35 40 45

Gly Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Xaa Thr Gln Leu Asn
50 55 60

Arg Xaa Xaa Gly His Pro Pro Phe Xaa Xaa Trp Arg Asn Ser Glu Glu
65 70 75 80

Ala Arg Thr Xaa Arg Leu Pro Thr Xaa Ala Gln Pro Glu Trp Arg Met
85 90 95

Gly Arg Ala Leu Tyr Gly Ala Leu Ser Arg Gly Gly Cys Gly
100 105 110

<210> 6543

<211> 166

<212> PRT

<213> Homo sapiens

<220>

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<222> (86)

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<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

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5786

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5787

<220>

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<400> 6543

Asn	Ser	Ala	Arg	Gly	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr
1				5					10					15	
Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ala	Glu	Asp	Val	Ala	Ala	Tyr	Ser	Cys
			20					25					30		
Gln	Gln	Tyr	Tyr	Ser	Phe	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys	Val
		35					40					45			
Asp	Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro
	50					55					60				
Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu
65					70					75					80
Asn	Asn	Phe	Tyr	Pro	Xaa	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn
				85					90					95	
Xaa	Leu	Gln	Ser	Gly	Asn	Xaa	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser
			100					105					110		
Lys	Asp	Arg	Xaa	Thr	Ala	Ser	Ala	Ala	Pro	Asp	Gly	Glu	Gln	Ser	Arg
		115					120					125			
Xaa	Gly	Glu	His	Lys	Phe	Arg	Leu	Arg	Val	Xaa	Xaa	Gln	Gly	Xaa	Xaa
	130					135					140				
Xaa	Arg	Xaa	Lys	Xaa	Leu	Thr	Gly	Xaa	Xaa	Xaa	Gly	Glu	Xaa	Pro	Leu
145					150					155					160
Phe	Leu	Phe	Ser	Xaa	Pro										
				165											

<210> 6544

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

5788

<400> 6544

Val	Lys	Ile	Thr	Arg	Val	Glu	Ala	Glu	Asp	Val	Gly	Val	Tyr	Tyr	Tyr
1				5					10					15	
Cys	Met	Gln	Ala	Leu	Gln	Thr	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys
			20					25					30		
Val	Asp	Ile	Lys	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro
		35					40					45			
Pro	Ser	Asp	Glu	Xaa	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu
		50				55					60				
Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp
65						70				75					80
Asn	Ala	Leu	Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp
				85					90					95	
Ser	Lys	Asp	Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys
			100					105					110		
Ala	Asp	Tyr	Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln
		115					120					125			
Gly	Leu	Ser	Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys	
	130					135					140				

<210> 6545

<211> 157

<212> PRT

<213> Homo sapiens

<220>

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<222> (28)

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<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

5789

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5790

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6545

Ser	Cys	Arg	Ile	Arg	His	Glu	Val	Leu	Arg	Gly	Pro	Leu	Leu	Gly	His
1				5					10					15	

Thr	Asp	Ala	Val	Trp	Gly	Leu	Ala	Tyr	Ser	Ala	Xaa	His	Gln	Arg	Leu
			20					25					30		

Leu	Ser	Cys	Ser	Ala	Xaa	Gly	Thr	Leu	Arg	Leu	Trp	Asn	Thr	Thr	Glu
		35					40					45			

Val	Ala	Pro	Ala	Leu	Xaa	Val	Phe	Asn	Asp	Thr	Lys	Glu	Leu	Gly	Ile
	50					55					60				

Pro	Ala	Ser	Val	Asp	Leu	Xaa	Ser	Xaa	Asp	Pro	Ser	His	Xaa	Val	Ser
65					70					75					80

Ser	Phe	Ser	Lys	Gly	Tyr	Thr	Asn	Ile	Phe	Asn	Met	Glu	Thr	Gln	Gln
				85					90					95	

Arg	Ile	Leu	Thr	Leu	Xaa	Ser	Asn	Val	Ile	Gln	Xaa	Pro	Thr	Leu	Pro
			100					105					110		

Ala	Lys	Xaa	Ile	Xaa	Xaa	Ile	Xaa	Leu	Leu	Leu	Phe	Arg	Ser	Thr	Ser
		115					120					125			

Cys	Ser	Leu	Lys	Xaa	Ala	Ile	Gln	Phe	Tyr	Xaa	Asn	Xaa	Ser	Gly	Lys
	130					135					140				

Xaa	Ser	Leu	His	Gly	Xaa	Pro	Leu	Lys	Leu	Phe	Gln	Phe
145					150					155		

5791

<210> 6546

<211> 69

<212> PRT

<213> Homo sapiens

<400> 6546

Lys Trp Arg Leu Arg Ser Ala Pro Ala Glu Glu Gly Glu Ala Gly Gly
1 5 10 15

Val Ser Val Leu Pro Val Cys Ser Thr Ala Pro Ala Ser Arg Thr Pro
20 25 30

Pro Ala His Ala Asp Phe Pro Ser Ser Ala Arg Leu Ser Leu Val Leu
35 40 45

Val Cys Ala Pro His Ala Pro Gly Arg Leu Val Ser His Cys Pro Ala
50 55 60

Arg Leu Arg Trp Pro
65

<210> 6547

<211> 89

<212> PRT

<213> Homo sapiens

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<400> 6547

Leu	Arg	Ala	Asp	Xaa	Xaa	Lys	Leu	Xaa	His	Gln	Glu	Arg	Thr	Gln	Xaa
1				5					10					15	

Leu	Arg	Gln	Ala	Pro	Val	Gly	Xaa	Gly	Tyr	Phe	His	Leu	Leu	Asp	His
		20						25					30		

Lys	Xaa	Xaa	Ala	Xaa	Cys	Xaa	Ala	Asp	Phe	Arg	Gly	His	Trp	Val	Leu
	35						40					45			

Ile	Phe	Phe	Gly	Phe	Thr	His	Cys	Pro	Asp	Ile	Cys	Pro	Gln	Gln	Leu
	50					55					60				

Glu	Lys	Leu	Val	Gln	Val	Val	Arg	Glu	Leu	Xaa	Thr	Xaa	Leu	Val	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5793

65

70

75

80

Leu Gln Xaa Thr Cys Leu His His Cys
85

<210> 6548

<211> 61

<212> PRT

<213> Homo sapiens

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5794

<400> 6548

Gly Leu Xaa Phe Xaa Gly Met His Xaa Met Ala Xaa Thr His Trp Pro
 1 5 10 15

Cys Pro Trp Pro Ala Leu Met Thr Arg Trp Thr Val Ser Leu Arg Ala
 20 25 30

Pro Xaa Leu Ala Gln Leu Ser Asp Val Ala Met His Ser Leu Gly Xaa
 35 40 45

Ala Phe Ile Tyr Xaa Gln Thr Asp Asp Ile Xaa Asp Val
 50 55 60

<210> 6549

<211> 185

<212> PRT

<213> Homo sapiens

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5795

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<400> 6549

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1				5					10					15	

Gly	Ser	Xaa	Xaa	Phe	Leu	Pro	Arg	Lys	Arg	Xaa	Thr	Xaa	Xaa	Arg	Gly
			20					25					30		

Lys	Val	Xaa	Ile	Phe	Pro	Lys	Asp	Asp	Pro	Ser	Lys	Pro	Val	His	Leu
		35					40					45			

Thr	Ser	Phe	Leu	Gly	Tyr	Lys	Ala	Gly	Met	Thr	His	Ile	Val	Xaa	Glu
	50					55					60				

Val	Asp	Arg	Pro	Gly	Ser	Xaa	Val	Asn	Xaa	Lys	Glu	Val	Val	Glu	Ala
65					70					75					80

Val	Thr	Ile	Val	Glu	Thr	Pro	Pro	Met	Val	Val	Val	Gly	Ile	Val	Xaa
				85					90					95	

Xaa	Met	Lys	Thr	Pro	Arg	Xaa	Leu	Arg	Thr	Phe	Xaa	Thr	Val	Phe	Ala
			100					105					110		

Xaa	His	Ile	Ser	Asp	Glu	Cys	Xaa	Arg	Arg	Phe	Tyr	Xaa	Asn	Trp	Xaa
		115					120					125			

Ser	Ser	Asn	Asn	Xaa	Ala	Phe	Thr	Xaa	Tyr	Cys	Xaa	Lys	Xaa	Gln	Asp
	130					135					140				

Xaa	Asp	Xaa	Xaa	Lys	Xaa	Leu	Gly	Glu	Xaa	Leu	Gln	Gln	His	Glu	Lys
145					150					155					160

Ile	Cys	Pro	Val	Ile	Arg	Val	Ile	Ala	His	Xaa	Gln	Asp	Ser	Pro	Ala
				165					170					175	

5798

Ser Ser Ala Pro Xaa Lys Lys Ala Thr
180 185

<210> 6550

<211> 39

<212> PRT

<213> Homo sapiens

<220>

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<222> (19)

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<400> 6550

Ala Ala Val Gly Phe Phe Leu Gly Ile Val Trp Ser Gly Ala Gly Thr
1 5 10 15

Gln Leu Xaa Phe Gly Glu Arg Pro Ala Xaa Lys Met Ile Gly Xaa Asn
20 25 30

Ser Pro Leu Leu Val Gly Leu
35

<210> 6551

<211> 33

<212> PRT

<213> Homo sapiens

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5799

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<400> 6551

Gly	Ile	Pro	Lys	Ala	Asp	Ile	Thr	Trp	Glu	Leu	Pro	Asp	Lys	Xaa	His
1				5					10					15	

Leu	Lys	Ala	Xaa	Val	Gln	Ala	Arg	Xaa	Tyr	Gly	Asn	Xaa	Phe	Leu	Xaa
			20					25					30		

Pro

<210> 6552

<211> 82

<212> PRT

<213> Homo sapiens

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5800

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (66)

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<400> 6552

Cys	Val	Phe	Gln	Gln	Ile	Tyr	His	Asn	Tyr	Leu	Met	Cys	Ile	Ser	Xaa
1				5					10					15	

Xaa	Tyr	His	Asn	Tyr	Val	Met	Cys	Ile	Ser	Thr	Ile	Cys	His	Ser	Xaa
			20					25					30		

Leu	Ile	Cys	Xaa	Ser	Lys	Xaa	His	Ala	Val	Leu	Ala	Leu	His	Xaa	Asn
		35					40					45			

Xaa	Glu	Thr	Ile	Arg	Asn	His	His	Thr	Xaa	Glu	Thr	Leu	Xaa	Xaa	Gln
	50					55					60				

5801

Cys Xaa Ile Ile Ser Glu Arg Lys Leu Leu Phe Cys His Leu Tyr Ile
 65 70 75 80

Phe Met

<210> 6553

<211> 130

<212> PRT

<213> Homo sapiens

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<400> 6553

Asn Pro Thr Ser Leu Leu Gly Xaa Phe Gly Tyr Arg Pro Pro Pro Ala
 1 5 10 15

Val Phe Trp Arg Ala Ala Ala Ile Gly Pro Tyr Ala Thr Leu Met Pro
 20 25 30

Val Gly Leu Gln Gln Gly Pro Gln Ser Asp Gln Glu Leu Glu Gln Ala
 35 40 45

Pro Gly Thr Ala Arg Arg Arg Gly Arg Leu Thr Lys His Thr Lys Phe
 50 55 60

Val Arg Asp Met Ile Arg Glu Val Cys Gly Phe Ala Pro Tyr Glu Arg
 65 70 75 80

Arg Ala Met Glu Leu Leu Lys Val Ser Lys Asp Lys Arg Ala Leu Lys
 85 90 95

Phe Ile Lys Lys Arg Val Gly Thr His Ile Arg Ala Lys Arg Lys Arg
 100 105 110

Glu Glu Leu Ser Asn Val Leu Ala Ala Met Arg Lys Ala Ala Ala Lys
 115 120 125

Lys Asp
 130

<210> 6554

<211> 79

<212> PRT

5802

<213> Homo sapiens

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 1 5 10 15
 Arg Ala Xaa Glu Xaa Pro Ser Cys Leu Gly Thr Leu Arg Xaa Val Ser
 20 25 30
 Ala Val Trp Xaa Thr Asn Arg Phe Xaa Xaa Leu Xaa Asn Asp Val Ser
 35 40 45
 Asp Pro Phe Glu Gly Ala Glu Gly Ser Gln Arg Thr Xaa Lys Lys Lys
 50 55 60
 Pro Gly Gly Xaa Arg Arg Leu Xaa Ala Leu Xaa Ser Ser Cys Ala
 65 70 75

<210> 6555
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 6555
 Ser Leu Asp Arg Val Ser Val Pro Met Trp Gly Thr Phe Leu Ser Glu
 1 5 10 15
 Pro Leu Ser Ile Glu Gly Leu Val Gly Arg Tyr Leu Thr Asn Asn Leu
 20 25 30

5804

Met Glu Arg Ile Pro Ile Leu Tyr Arg Asn Pro Leu Ile Ile Arg Pro
35 40 45

Cys Gly Met Ile Ile Pro Ser Gly Ile Asn Leu Ser Phe Glu Arg Leu
50 55 60

Ser Pro Ser Lys Gly
65

<210> 6556

<211> 178

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

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 $\langle 220 \rangle$

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<400> 6556

Ile Thr Met Asp Trp Gln Ser Ile Lys Ile Gln Glu Leu Met Ser Asp
1 5 10 15

Asp Gln Arg Glu Ala Gly Arg Ile Pro Arg Thr Ile Glu Cys Glu Leu
20 25 30

Val His Asp Leu Val Asp Ser Cys Val Pro Gly Asp Thr Val Thr Ile
35 40 45

5805

Thr Gly Ile Val Lys Val Ser Asn Ala Glu Glu Gly Ser Arg Asn Lys
 50 55 60
 Asn Asp Lys Cys Met Phe Leu Leu Tyr Ile Glu Ala Asn Ser Ile Ser
 65 70 75 80
 Asn Ser Lys Gly Gln Lys Thr Lys Ser Ser Glu Asp Gly Cys Lys His
 85 90 95
 Gly Met Leu Met Glu Phe Ser Leu Lys Asp Leu Tyr Ala Ile Gln Glu
 100 105 110
 Ile Gln Ala Glu Glu Asn Leu Phe Lys Leu Ile Val Asn Ser Leu Cys
 115 120 125
 Pro Val Ile Phe Gly His Glu Ala Ala Cys Asn Val Ala Pro Arg Gly
 130 135 140
 Val Tyr Xaa Cys Gly Asn Thr Thr Thr Thr Phe Gly Leu Thr Val Thr
 145 150 155 160
 Leu Ser Lys Asp Xaa Xaa Xaa Gly Xaa Phe Ala Phe Gly Thr Trp Cys
 165 170 175
 Pro Trp

<210> 6557

<211> 69

<212> PRT

<213> Homo sapiens

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<400> 6557

Arg	Ser	Met	Thr	Val	Glu	Pro	Asn	Pro	Phe	Gln	Arg	Lys	Val	Leu	Xaa
1				5					10					15	

Lys	Gly	Phe	Glu	Pro	Ala	Asp	Asn	Lys	Xaa	Leu	Leu	Arg	Ala	Thr	Asp
			20					25					30		

Gly	Lys	Lys	Lys	Ile	Ser	Thr	Val	Val	Ser	Ser	Lys	Glu	Val	Asn	Lys
		35					40					45			

Phe	Gln	Xaa	Ala	Tyr	Ser	Asn	Leu	Leu	Arg	Ala	Asn	Met	Asp	Gly	Xaa
	50					55					60				

Lys	Xaa	Arg	Asp	Xaa
	65			

<210> 6558

<211> 24

<212> PRT

<213> Homo sapiens

<400> 6558

His	Ile	Pro	Ser	Pro	Ala	Lys	Lys	Val	Pro	Arg	Leu	Pro	Ala	Thr	Ala
1				5					10					15	

Ala	Glu	Pro	Glu	Ser	Ser	Cys	His
			20				

<210> 6559

<211> 178

<212> PRT

<213> Homo sapiens

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 Trp Arg Leu Met Ser Arg Phe Asn Ala Phe Lys Arg Thr Asn Thr Ile
 1 5 10 15

 Leu His His Leu Arg Met Ser Lys His Thr Asp Ala Ala Glu Glu Val
 20 25 30

 Leu Leu Glu Lys Lys Gly Cys Ala Gly Val Ile Thr Leu Asn Arg Pro
 35 40 45

 Lys Phe Leu Asn Ala Leu Thr Leu Asn Met Ile Arg Gln Ile Tyr Pro
 50 55 60

 Gln Leu Lys Lys Trp Glu Gln Asp Pro Glu Thr Phe Leu Ile Ile Ile
 65 70 75 80

 Lys Gly Ala Gly Gly Lys Ala Phe Cys Ala Gly Gly Asp Ile Arg Val
 85 90 95

 Ile Ser Glu Ala Glu Lys Ala Lys Gln Lys Ile Ala Pro Val Phe Phe
 100 105 110

 Arg Glu Glu Tyr Met Leu Asn Asn Ala Val Gly Ser Cys Gln Lys Pro
 115 120 125

 Tyr Val Ala Leu Ile His Gly Ile Thr Met Gly Gly Gly Val Gly Leu
 130 135 140

5808

Xaa Val His Gly Gln Phe Xaa Val Ala Thr Glu Lys Val Ser Phe Cys
 145 150 155 160

Tyr Ala Arg Asn Cys Asn Arg Thr Gly Pro Leu Met Xaa Gly Gly Xaa
 165 170 175

Xaa Phe

<210> 6560

<211> 86

<212> PRT

<213> Homo sapiens

<400> 6560

Phe Gly Arg Ala Asp Ser Glu Arg Gln Asn Gln Glu Tyr Gln Arg Leu
 1 5 10 15

Met Asp Ile Lys Ser Arg Leu Glu Gln Glu Ile Ala Ile Tyr Arg Ser
 20 25 30

Leu Leu Glu Gly Gln Glu Asp His Ser Gln Gln Phe Val Cys Leu Gln
 35 40 45

Gly Pro Leu Arg Gln Gln Ala Leu Gly Leu Leu Leu Ser Phe Gly Gly
 50 55 60

Cys Leu Leu Gly Arg Gly Met Gly Arg Lys Gly Pro Leu Pro Pro Ala
 65 70 75 80

Leu Leu Leu Thr Cys Gln
 85

<210> 6561

<211> 165

<212> PRT

<213> Homo sapiens

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5809

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<400> 6561

Thr	His	Tyr	Xaa	Gly	Xaa	Ala	Gly	Xaa	Pro	Ala	Gly	Thr	Gly	Pro	Glu
1				5					10					15	

Phe	Pro	Gly	Arg	Pro	Xaa	Arg	Pro	Xaa	Glu	Gln	Asn	Arg	Lys	Asp	Ala
			20					25					30		

Glu	Ala	Trp	Phe	Thr	Ser	Arg	Thr	Glu	Glu	Leu	Asn	Arg	Glu	Val	Ala
		35					40					45			

Gly	His	Thr	Glu	Gln	Leu	Gln	Met	Ser	Arg	Ser	Glu	Val	Thr	Asp	Leu
	50					55					60				

Arg	Arg	Thr	Leu	Gln	Gly	Leu	Glu	Ile	Glu	Leu	Gln	Ser	Gln	Leu	Ser
65					70					75					80

Met	Lys	Ala	Ala	Leu	Glu	Asp	Thr	Leu	Ala	Glu	Thr	Glu	Ala	Arg	Phe
				85					90					95	

Gly	Ala	Gln	Leu	Ala	His	Ile	Gln	Ala	Leu	Ile	Ser	Gly	Ile	Glu	Ala
			100					105					110		

Gln	Leu	Gly	Asp	Val	Arg	Ala	Asp	Ser	Glu	Arg	Gln	Asn	Gln	Glu	Tyr
		115					120					125			

Gln	Arg	Leu	Met	Asp	Ile	Lys	Ser	Arg	Leu	Glu	Gln	Glu	Ile	Ala	Thr
	130					135					140				

Tyr	Arg	Ser	Leu	Leu	Glu	Gly	Gln	Glu	Asp	His	Tyr	Asn	Asn	Leu	Ser
145					150					155					160

Ala	Ser	Lys	Val	Leu
				165

5810

<210> 6562

<211> 180

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<213> Homo sapiens

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<400> 6562

Asp	Lys	Xaa	Glu	Thr	Trp	Arg	Glu	Val	Tyr	Leu	Gln	Asp	Ser	Phe	Lys
1				5					10					15	

Pro	Leu	Val	Cys	Ile	Ser	Pro	Asn	Ala	Ser	Leu	Phe	Asp	Ala	Val	Ser
			20					25					30		

Ser	Leu	Ile	Arg	Asn	Lys	Ile	His	Arg	Leu	Pro	Val	Ile	Asp	Pro	Glu
		35					40					45			

Ser	Gly	Asn	Thr	Leu	Tyr	Ile	Leu	Thr	His	Lys	Arg	Ile	Leu	Lys	Phe
	50					55					60				

Leu	Lys	Leu	Phe	Ile	Thr	Glu	Phe	Pro	Lys	Pro	Glu	Phe	Met	Ser	Lys
65					70					75					80

Ser	Xaa	Glu	Lys	Leu	Pro	Xaa	Trp	Xaa	Leu	Cys	Gln	Tyr	Cys	Tyr	Gly
				85					90					95	

Ser	Thr	Thr	Thr	Pro	Val	Tyr	Val	Ala	Leu	Gly	Ile	Phe	Val	Gln	His
			100					105					110		

Arg	Val	Ser	Ala	Leu	Pro	Val	Val	Asp	Glu	Lys	Gly	Arg	Val	Val	Asp
		115						120					125		

5811

Ile Tyr Ser Lys Phe Asp Val Ile Asn Leu Ala Ala Glu Lys Thr Tyr
 130 135 140

Asn Asn Leu Asp Val Ser Val Thr Lys Ala Leu Gln His Arg Ser His
 145 150 155 160

Tyr Phe Glu Gly Val Leu Lys Cys Tyr Leu His Glu Thr Trp Arg Pro
 165 170 175

Ser Leu Thr Gly
 180

<210> 6563

<211> 65

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<400> 6563

Asn Ser Ala Xaa Val Ala Arg Thr Ile Gly Ile Ser Val Asp Pro Arg
 1 5 10 15

Arg Arg Asn Lys Ser Thr Glu Ser Xaa Gln Ala Asn Val Gln Xaa Leu
 20 25 30

5812

Lys Glu Tyr Arg Ser Lys Leu Ile Leu Phe Xaa Arg Xaa Pro Ser Ala
35 40 45

Pro Lys Lys Gly Asp Ser Ser Ala Glu Glu Leu Arg Thr Gly Pro Pro
50 55 60

Ser
65

<210> 6564
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5813

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5814

<400> 6564

His Arg Asn His Leu Gly Xaa Xaa His Gly Lys Ile Ser Ser Gly Gly
1 5 10 15
Xaa Ser His Thr Xaa Xaa Ile Pro Met Xaa Leu Val Val Phe Xaa Pro
20 25 30
Xaa Leu Cys Xaa Lys Met Gly Xaa Pro Tyr Cys Ile Ile Lys Gly Lys
35 40 45
Xaa Xaa Leu Ala Thr Tyr Xaa Ser Thr Gly Ser Xaa Cys Thr Ile Val
50 55 60
Arg Leu Xaa Thr Gly Val Leu Gly Thr Xaa Lys Gly Xaa Phe
65 70 75

<210> 6565

<211> 58

<212> PRT

<213> Homo sapiens

<400> 6565

Arg Thr Ala Val Met Pro Arg Glu Asp Arg Ala Thr Trp Lys Ser Asn
1 5 10 15
Tyr Phe Leu Lys Ile Ile Gln Leu Leu Asp Asp Tyr Pro Lys Cys Phe
20 25 30
Ile Val Gly Ala Asp Asn Val Gly Ser Lys Gln Met Gln Gln Ile Pro
35 40 45
His Val Pro Ser Arg Glu Gly Leu Trp Cys
50 55

<210> 6566

<211> 104

<212> PRT

<213> Homo sapiens

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5815

<223> Xaa equals any of the naturally occurring L-amino acids

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5816

<400> 6566

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Asn Thr Val Leu Ser Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala Asp
 1              5              10              15

Arg Met Gln Xaa Glu Ile Thr Ala Leu Ala Pro Ser Thr Met Lys Ile
      20              25              30

Lys Ile Ile Ala Pro Pro Xaa Arg Lys Phe Ser Val Trp Asp Arg Xaa
      35              40              45

Xaa Pro Ser Trp Xaa Arg Cys Pro Pro Ser Asn Arg Phe Xaa Ser Ala
      50              55              60

Ser Xaa Asn Xaa Glu Xaa Ile Pro Gly Pro Ser His Pro Ser Thr Arg
      65              70              75              80

Lys Leu Leu Pro Xaa Gly Gly Xaa Asn Xaa Leu Ile Leu Arg Leu Gln
      85              90              95

Pro Phe Ser Phe Glu Lys Lys Pro
      100

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<210> 6567

<211> 67

<212> PRT

<213> Homo sapiens

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6567

5817

Cys Asp Pro Pro Ala Lys Gly Cys Gln Gly Leu Phe His Tyr Gly Leu
 1 5 10 15
 Cys Val Leu Pro Phe Arg His Leu Arg Asn Ser Ser His Ala Gly Ala
 20 25 30
 Phe Val Ile Val Thr Glu Glu Ala Ile Ala Lys Gly Ile Arg Arg Asn
 35 40 45
 Cys Gly Xaa Ser Gln Val Pro Arg Pro Xaa Xaa Gly Glu Pro Gly Xaa
 50 55 60
 Ser Leu Gly
 65

<210> 6568

<211> 111

<212> PRT

<213> Homo sapiens

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<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (106)

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<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<400> 6568

Pro Xaa Gln Lys Gly Asp Thr Gly Glu Pro Gly Leu Pro Gly Thr Lys
 1 5 10 15

5818

Gly Thr Arg Gly Pro Pro Gly Ala Ser Gly Tyr Pro Gly Asn Pro Gly
 20 25 30
 Leu Pro Gly Ile Pro Gly Gln Asp Gly Pro Pro Gly Pro Pro Gly Ile
 35 40 45
 Pro Gly Cys Asn Gly Thr Lys Gly Glu Arg Gly Pro Leu Gly Pro Pro
 50 55 60
 Gly Leu Pro Gly Phe Ala Gly Asn Pro Gly Pro Pro Gly Leu Pro Gly
 65 70 75 80
 Met Lys Gly Asp Pro Xaa Glu Ile Leu Gly His Val Pro Gly Met Leu
 85 90 95
 Leu Lys Gly Glu Arg Arg Phe Pro Glu Xaa Xaa Gly Leu Xaa Ala
 100 105 110

<210> 6569

<211> 90

<212> PRT

<213> Homo sapiens

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<222> (86)

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<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6569

Ala Ser Gly Asn Val Lys Lys Ala Leu Lys Leu Met Gly Ser Asn Glu
 1 5 10 15

Gly Glu Phe Lys Ala Glu Gly Asn Ser Lys Phe Thr Tyr Thr Val Leu
 20 25 30

5819

Glu	Asp	Gly	Cys	Thr	Lys	His	Thr	Gly	Glu	Trp	Ser	Lys	Thr	Val	Phe
		35					40					45			
Glu	Tyr	Arg	Thr	Arg	Lys	Ala	Val	Arg	Leu	Pro	Ile	Val	Asp	Ile	Ala
	50					55					60				
Pro	Tyr	Asp	Ile	Gly	Gly	Pro	Asp	Gln	Glu	Phe	Gly	Val	Asp	Val	Xaa
65					70					75					80
Pro	Asp	Ser	Leu	Tyr	Xaa	Pro	Asn	Xaa	Xaa						
				85					90						

<210> 6570

<211> 78

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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5820

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<400> 6570

Trp	Ala	Tyr	Leu	Phe	Gln	Ala	Ala	Gly	Ala	Xaa	Tyr	Val	Val	Leu	Thr
1				5				10						15	

Thr	Lys	His	His	Glu	Gly	Phe	Thr	Asn	Trp	Xaa	Ser	Pro	Val	Ser	Trp
			20					25					30		

Asn	Trp	Asn	Ser	Lys	Asp	Val	Gly	Pro	His	Xaa	Asp	Leu	Val	Gly	Glu
			35				40					45			

Leu	Gly	Thr	Ala	Leu	Arg	Lys	Arg	Asn	Xaa	Arg	Tyr	Gly	Leu	Tyr	His
	50					55					60				

Xaa	Leu	Leu	Glu	Trp	Xaa	His	Xaa	Leu	Tyr	Leu	Leu	Asp	Lys
65					70					75			

<210> 6571

<211> 153

<212> PRT

<213> Homo sapiens

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<222> (104)

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<221> SITE

<222> (112)

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<222> (129)

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<220>

<221> SITE

<222> (139)

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5821

<400> 6571

Asp Met Arg Pro Leu Ser Asn Lys Ala Ser Ala Leu Val Phe Phe Ser
1 5 10 15
Cys Arg Thr Asp Met Pro Tyr Arg Tyr His Ser Ser Leu Gly Gln Leu
20 25 30
Asn Phe Thr Gly Ser Val Ile Tyr Glu Ala Gln Asp Val Tyr Ser Gly
35 40 45
Asp Ile Ile Ser Gly Leu Arg Asp Glu Thr Asn Phe Thr Val Ile Ile
50 55 60
Asn Pro Ser Gly Val Val Met Trp Tyr Leu Tyr Pro Ile Lys Asn Trp
65 70 75 80
Arg Cys Pro Ser Ser Glu Glu Leu Gly His Val Thr Gly Cys Gly Gly
85 90 95
Thr Thr Glu Pro Arg Xaa Trp Xaa Leu Gly Met Pro Arg Ala Ser Xaa
100 105 110
Glu Val Leu Cys Ser Pro Gly Cys Ser Val Thr Asp Pro Ser Ser Gln
115 120 125
Xaa His Leu Thr Ala Ser Leu Ser Phe Gln Xaa Lys Pro Leu Glu Ile
130 135 140
Phe Gly His Phe Leu Trp Leu Leu Ala
145 150

<210> 6572

<211> 86

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (14)

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<221> SITE

5822

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6572

Pro	Asn	His	Ser	Xaa	Tyr	Arg	Ala	Ile	Gly	Val	Ser	Lys	Xaa	Cys	Leu
1				5					10					15	

Ser	Gly	Ile	Asp	Val	Arg	Tyr	Leu	His	Phe	Leu	Glu	Gly	Thr	Arg	Asp
			20					25					30		

Tyr	Asp	Trp	Leu	Glu	Pro	Leu	Leu	Xaa	Asn	Gln	Thr	Val	Met	Ser	Ile
		35					40					45			

Xaa	Leu	Phe	Trp	Phe	Arg	His	Arg	Pro	Gln	Glu	Ser	Phe	Ser	Gly	Ser
	50					55					60				

Pro	Ala	His	Arg	Gln	Val	Pro	Val	Xaa	Ala	Pro	Arg	Leu	Ser	Pro	Ile
65					70					75					80

His	Glu	Gln	Gln	Val	Thr
				85	

<210> 6573

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6573

Tyr	Ile	Gln	Ser	His	Tyr	Gln	Leu	Glu	Leu	Gln	Cys	Cys	Ile	Asp	Trp
1				5					10					15	

Thr	His	Val	Thr	Asp	Pro	Leu	His	Arg	Xaa	Gln	Lys	Leu	Gln	Glu	Glu
			20					25					30		

Lys	His	Lys	Ser	Ile	Thr	Glu	Ala	Leu	Arg	Arg	Gln	Glu	Gln	Asn	Ile
		35					40					45			
Lys	Ser	Phe	Glu	Glu	Thr	Tyr	Asp	Arg	Lys	Leu	Lys	Asn	Glu	Leu	Leu
	50					55					60				
Asn	Phe	His	Arg	Leu	His	Gly	Val	Cys	Leu	Ala	Leu	Gly	Ile	Leu	Ile
65					70					75					80

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<210> 6574
<211> 126
<212> PRT
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<400> 6574
Tyr Ala Leu Arg Arg His Lys Leu Met Ser Leu Ile Gln Lys Glu Ala
  1             5             10            15
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Gln Gly Gln Ser Gly Thr Asp Gln Thr Val Gly Val Leu Ser Asn Pro
20 25 30

Thr Tyr Tyr Met Ser Asn Asp Ile Pro Tyr Thr Phe His Gln Asp Asn
35 40 45

Asn Phe Leu Tyr Leu Cys Gly Phe Gln Glu Pro Asp Ser Ile Leu Val
50 55 60

5824

Leu Xaa Ser Leu Pro Gly Lys Gln Leu Pro Xaa His Lys Ala Ile Leu
 65 70 75 80
 Phe Val Pro Arg Arg Asp Pro Ser Arg Glu Leu Trp Asp Gly Pro Xaa
 85 90 95
 Ser Gly Thr Asp Gly Ala Ile Ser Ser Asn Trp Ser Arg Arg Ser Leu
 100 105 110
 Tyr Ala Arg Arg Ile Ser Thr Xaa Cys Thr Lys Asn Glu Ser
 115 120 125

<210> 6575

<211> 145

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<400> 6575

Gly Lys Phe Cys Val Gln Ser Glu Arg Gln Asp Ser Ala Ala Val Gly
 1 5 10 15

Phe Asp Tyr Lys Glu Lys Leu Ala Lys His Glu Ser Gln Gln Asp Tyr
 20 25 30

Ser Lys Gly Phe Gly Gly Lys Tyr Gly Val Gln Lys Asp Arg Met Asp
 35 40 45

Lys Asn Ala Ser Thr Phe Glu Asp Val Thr Gln Val Ser Ser Ala Tyr

5825

50 55 60
 Gln Lys Thr Val Pro Val Glu Ala Val Thr Ser Lys Thr Ser Asn Ile
 65 70 75 80
 Arg Ala Asn Phe Glu Asn Leu Ala Lys Glu Lys Glu Gln Glu Asp Arg
 85 90 95
 Arg Lys Ala Xaa Ala Glu Arg Ala Gln Arg Met Ala Lys Glu Arg Gln
 100 105 110
 Glu Gln Glu Glu Ala Arg Lys Lys Leu Gly Xaa Thr Ser Gln Ser Gln
 115 120 125
 Asn Ala Asn Ala Pro Cys Val Xaa Arg Thr Leu Ser Gln Pro Xaa Glu
 130 135 140
 Lys
 145

<210> 6576
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 6576
 Gly Gln Cys Cys Gln Glu Leu Arg Thr Ser Leu Arg Asn Val Thr Leu
 1 5 10 15
 His Cys Thr Asp Gly Ser Ser Arg Ala Phe Ser Tyr Thr Glu Val Glu
 20 25 30
 Glu Cys Gly Cys Met Gly Arg Arg Cys Pro Ala Pro Gly Asp Thr Gln
 35 40 45
 His Ser Glu Glu Ala Glu Pro Glu Pro Ser Gln Glu Ala Glu Ser Gly
 50 55 60
 Ser Trp Glu Arg Gly Val Pro Val Ser Pro Met His
 65 70 75

<210> 6577
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 6577

5826

Leu Asp Asp Trp Gly Glu Thr Cys Lys Gly Cys Ala Glu Lys Ser Asp
 1 5 10 15 .
 Tyr Ile Arg Lys Ile Asn Glu Leu Met Pro Lys Tyr Ala Pro Lys Ala
 20 25 30
 Ala Ser Ala Arg Thr Asp Leu
 35

<210> 6578

<211> 77

<212> PRT

<213> Homo sapiens

<220>

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<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6578

Glu Phe Gly Arg Gly Ile Asn Leu Glu Thr Pro Ser Met Val Ala Gly
 1 5 10 15
 Met Glu Phe Ile Lys Val Gly Arg Ala Trp Glu Asp Gly Lys Val Gly
 20 25 30
 Ser Ala Cys Pro Gly Ile Phe Arg Trp Pro Gly Val Leu Pro Xaa Gly
 35 40 45
 Arg Val Ile Gly Glu Pro Thr Glu Ser Asp Gly Arg Val Pro His Arg
 50 55 60
 Gly Pro Ala Gly Gly Arg Arg Gly Cys Pro Arg Thr Glu
 65 70 75

<210> 6579

<211> 111

<212> PRT

<213> Homo sapiens

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5827

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6579
Lys Met Pro Lys Ser Leu Lys Xaa Xaa Gln Thr Glu Xaa Leu Xaa Asn
1 5 10 15

5828

Ala Leu Leu Gln Gly Xaa Pro Val Xaa Xaa Gly Arg Cys Xaa Arg Gln
20 25 30

Pro Leu Thr Arg Cys Ile Ala Thr Ala Ser Gly Ser Lys Leu Lys Gly
35 40 45

Gln Pro Val Arg Ile Xaa Pro Gly Lys Ser Asp Xaa Arg His Gln Pro
50 55 60

Gly Gly Ser Met Arg Thr Gly Pro Thr Glu Ser Leu Ile Gln Gly Leu
65 70 75 80

His Gln Ser Val Phe Arg Ala Xaa Lys Arg Ile Gly Leu Val Leu Phe
85 90 95

Gly Lys Gly Asn Thr Gly Phe Pro Leu Ala Gly Thr Val Arg Pro
100 105 110

<210> 6580

<211> 131

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

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5829

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<220>
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<400> 6580
 Leu Thr Tyr Val Arg Pro Lys Gly Leu Ile Ser Met Xaa Glu Ser Arg
 1 5 10 15

Ser Cys Asp Gly His Leu Gly Asn Phe Leu Gly Ala Arg Ser Pro Asp
 20 25 30

5830

Glu Thr Ile Phe Cys Asn Asp Xaa Pro Leu His Leu Leu His Xaa Trp
 35 40 45
 Ser Pro Asp Ile Ile Pro Xaa Leu Val Ser Cys Arg Phe Thr Lys Glu
 50 55 60
 Thr Thr Xaa Lys Asn Phe Asn Xaa Xaa Tyr Gly Thr Lys Gly Asn Tyr
 65 70 75 80
 Thr Ser Xaa Xaa Trp Glu Tyr Ser Xaa Ser Ile Gln Asn Ser Asp Asn
 85 90 95
 Asp Leu Pro Val Phe Gln Gly Ile Ser Ser Phe Ser Leu Lys Gly Tyr
 100 105 110
 Xaa Xaa Leu Met Arg Ser Xaa Ser Xaa Lys Ala Gln Pro Gln Thr Trp
 115 120 125
 Lys Ser Gly
 130

<210> 6581

<211> 77

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6581

Leu Ala Phe Xaa Xaa Ile Lys Leu Gly Arg Tyr Ser Gly Leu Xaa His

5831

1 5 10 15
 Gly Val Ala Tyr Gly Ala Thr Arg Tyr Asn Tyr Leu Lys Pro Arg Ala
 20 25 30
 Glu Glu Glu Arg Arg Ile Ala Ala Glu Glu Lys Lys Lys Gln Asp Glu
 35 40 45
 Leu Lys Arg Ile Ala Arg Glu Leu Ala Glu Asp Asp Ser Ile Leu Lys
 50 55 60
 Xaa Val Thr Leu Arg Pro Thr Pro Trp Thr Ser Ser Gly
 65 70 75

<210> 6582
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 6582
 Pro Arg Lys Leu Lys Gln Thr Leu Arg Thr Lys Met Asn Glu Asn Leu
 1 5 10 15
 Phe Ala Ser Phe Ile Ala Pro Thr Ile Leu Gly Leu Pro Ala Ala Val
 20 25 30
 Leu Ile Ile Leu Phe Pro Pro Leu Leu Ile Pro Thr Ser Lys Tyr Leu
 35 40 45
 Ile Asn Asn Arg Leu Ile Thr Thr Gln Gln
 50 55

<210> 6583
 <211> 118
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

5832

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 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6583
 Ala Gly Ala Val Ile Ile Gly Phe Arg Ser Lys Ile Lys Asn Ala Leu
 1 5 10 15
 Ala His Phe Leu Pro Gln Gly Thr Pro Thr Pro Leu Ile Pro Ile Leu
 20 25 30
 Val Ile Ile Glu Thr Ile Ser Leu Leu Ile Gln Pro Ile Ala Leu Ala
 35 40 45
 Val Arg Leu Thr Ala Tyr Ile Thr Ala Xaa His Leu Leu Met His Leu
 50 55 60
 Ile Gly Xaa Ala Thr Leu Xaa Ile Ser Thr Ile Asn Leu Pro Ser Thr
 65 70 75 80
 Leu Ile Ile Phe Thr Ile Leu Ile Leu Leu Thr Ile Leu Glu Ile Ala
 85 90 95
 Val Ala Leu Ile Gln Ser Leu Arg Phe Pro His Phe Xaa Leu Ser Leu
 100 105 110
 Leu Pro Ala Gln Gln Xaa
 115

<210> 6584
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 6584
 Ile Gly Val Thr Ala Val Ala Phe Asn Lys Glu Leu Asp Pro Ile Gln
 1 5 10 15

5833

Lys Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr
 20 25 30
 Ser Gly Gly Pro Val Asp Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu
 35 40 45
 Arg Glu Leu Phe Lys Leu Lys Gln Met Phe Gly Asn Ala Asp Met Asn
 50 55 60
 Thr Phe Pro Thr Phe Lys Phe Glu Asp Pro Lys Phe Glu Val Ile Glu
 65 70 75 80
 Lys Pro Gln Ala

<210> 6585

<211> 74

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

5834

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6585
 Xaa Gly Ala Val Ile Ile Xaa Phe Arg Ser Lys Ile Lys Xaa Ala Leu
 1 5 10 15
 Ala His Phe Leu Ser Lys Xaa Thr Pro Thr Pro Leu Ile Pro Ile Leu
 20 25 30
 Val Ile Met Xaa Asn Xaa Ile Leu Leu Xaa Xaa Pro Ile Ala Leu Gly
 35 40 45
 Val Ser Leu Ile Ala Tyr Ile Thr Xaa Gly His Xaa Leu Met His Leu
 50 55 60
 Ile Gly Xaa Val Pro Tyr Asn Ile Asn His
 65 70

<210> 6586
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

5835

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6586

Arg	Glu	Ala	Phe	Gln	Ser	Val	Val	Leu	Pro	Ala	Phe	Glu	Lys	Ser	Cys
1				5					10					15	

Gln	Ala	Met	Phe	Gln	Gln	Ile	Asn	Asp	Ser	Phe	Arg	Leu	Gly	Thr	Gln
			20					25					30		

Glu	Tyr	Leu	Gln	Gln	Leu	Glu	Ser	His	Met	Lys	Ser	Arg	Lys	Ala	Arg
		35					40					45			

Glu	Gln	Glu	Ala	Arg	Glu	Pro	Val	Leu	Ala	Gln	Gln	Ala	His	Ile	Leu
	50					55					60				

Gln	Leu	Leu	Gln	Gln	Gly	His	Leu	Asn	Gln	Ala	Xaa	Gln	Gln	Ala	Leu
65					70					75					80

Thr	Ala	Ala	Asp	Leu	Asn	Leu	Val	Leu	Val	Cys	Val
				85					90		

<210> 6587

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6587

Ala	Val	Leu	Ala	Leu	Leu	Ser	Leu	Ser	Gly	Leu	Glu	Ala	Ile	Gln	Arg
1				5					10					15	

Thr	Pro	Lys	Ile	Gln	Val	Tyr	Ser	Arg	His	Pro	Ala	Glu	Asn	Gly	Lys
			20					25					30		

5836

Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe His Pro Ser Asp Ile
35 40 45

Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile Glu Lys Ser Gly Ala
50 55 60

Phe Arg Leu Xaa Phe Gln Gln Gly Leu Val Phe Leu Ser Xaa Xaa Leu
65 70 75 80

His

<210> 6588

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (108)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6588

Pro Gln Lys Pro Leu Ser Ser Thr Pro Thr Gly Cys Xaa Trp Gly Lys
1 5 10 15

Thr Gln Gly Leu Gln Cys Leu Gly Pro Gly Trp Arg His Leu His Ala
20 25 30

5837

Val Pro Thr Ala Pro Pro Ala Leu Arg His Gly Leu Leu Arg Xaa Met
 35 40 45
 Cys Leu Pro Trp Thr Arg Arg Leu Gly Tyr Ser Ala Met Pro Gln Ala
 50 55 60
 Leu Thr Leu Val Pro Ser Trp Leu Pro Gly Pro Pro Gly Arg Thr Ser
 65 70 75 80
 Ala Ala Arg Gly Cys Gly Arg Pro Ser Arg Ser Trp Arg Ala Ala Ala
 85 90 95
 Glu Ala Gly Gly Pro Gly Gly Xaa Gly Pro Ala Xaa Val Gly Ser Gly
 100 105 110
 Ala Gly Gly Arg Arg Pro Ala Val Thr Gly Ala Ala Pro Ala Ser Leu
 115 120 125
 Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro
 130 135 140
 Pro Pro Arg Trp Ser Xaa Ser Phe Val Pro
 145 150

<210> 6589

<211> 128

<212> PRT

<213> Homo sapiens

<400> 6589

Val Cys Met Ser Tyr Ala Phe His Thr Pro Asp Lys Leu Ser Phe Ile
 1 5 10 15
 Leu Asp Leu Met Asn Gly Gly Asp Leu His Tyr His Leu Ser Gln His
 20 25 30
 Gly Val Phe Ser Glu Ala Asp Met Arg Phe Tyr Ala Ala Glu Ile Ile
 35 40 45
 Leu Gly Leu Glu His Met His Asn Arg Phe Val Val Tyr Arg Asp Leu
 50 55 60
 Lys Pro Ala Asn Ile Leu Leu Asp Glu His Gly His Val Arg Ile Ser
 65 70 75 80
 Asp Leu Gly Leu Ala Cys Asp Phe Ser Arg Arg Ser Pro Met Pro Ala
 85 90 95
 Trp Ala Pro Thr Gly Thr Trp Leu Arg Arg Ser Cys Arg Arg Ala Trp

5838

100	105	110
Pro Thr Thr Ala Val Pro Thr Gly Ser Leu Trp Gly Ala Cys Ser Ser		
115	120	125

<210> 6590

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6590

Xaa Pro Thr Pro Val Thr Phe Gly Phe Xaa Pro Ser Phe Phe Ala Thr
1 5 10 15

Phe Ala Gly Phe Pro Arg Gln Ala Xaa Asn Xaa Gly Leu Pro Leu Gly
20 25 30

5839

Phe Pro Ile Xaa Xaa Phe Thr
35

<210> 6591

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6591

Xaa Thr Ile Gly Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe
1 5 10 15

Pro Gly Val Val Thr Arg Xaa Val Thr Ala Thr Leu Ala Ser Ala Leu
20 25 30

Xaa Pro Ala Pro Phe Ala Phe Phe Pro Ser Phe Leu Ala Thr Phe Ala
35 40 45

Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro Leu Gly Phe Arg
50 55 60

Phe Ser Ala Leu Arg His Leu Asp Pro Lys Lys Leu Asp
65 70 75

<210> 6592

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5840

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6592

Ile	Ala	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala
			20					25					30		

Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Xaa	Pro	Lys	Xaa	Ala	Gln	Xaa
		35					40					45			

Asp

<210> 6593

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6593

Ile	Ala	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

5841

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
 35 40 45

Asn Arg Leu Ala Ala His Pro Pro Phe Ala Xaa Trp Arg Asn Ser Xaa
 50 55 60

Glu Ala Arg Thr Asp Arg Leu Pro Asn Ser Cys Ala Xaa
 65 70 75

<210> 6594

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6594

Xaa Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
 1 5 10 15

Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser Gly Gly
 20 25 30

<210> 6595

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5842

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6595

Ile	Ala	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala
			20					25					30		

Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu
		35					40					45			

Asn	Arg	Leu	Ala	Ala	His	Pro	Pro	Phe	Ala	Ser	Trp	Arg	Asn	Xaa	Glu
	50					55					60				

Xaa	Ala	Arg	Asn	Xaa	Xaa	Pro	Xaa	Pro	Asn	Arg	Leu	Arg	Ser	Leu	Glu
65					70					75					80

Trp	Arg	Met	Gly	Arg	Ala	Leu
						85

<210> 6596

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5843

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6596

Lys	Lys	Lys	Lys	Arg	Ala	Ala	Ala	Leu	Glu	Asp	Pro	Ser	Leu	Arg	Thr
1				5					10					15	

Arg	Ala	Cys	Arg	Arg	His	Xaa	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn
			20					25					30		

Ser	Leu	Gly	Arg	Arg	Leu	His	Val	Val	Thr	Gly	Xaa	Asn	Pro	Ala	Val
		35					40					45			

Pro	Gln	Leu	Asn	Pro	Pro	Cys	Arg	Thr	Ser	Pro	Phe	Arg	Lys	Xaa	Xaa
	50					55					60				

Ile	Pro	Lys	Gly	Pro	Thr	Xaa
65					70	

<210> 6597

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6597

Ser	Gly	Thr	Thr	Xaa	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg
1				5					10					15	

Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Gly	Leu	Trp	Ser	Gln	Cys
			20					25					30		

5844

<210> 6598

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6598

Ala Ser Ser Arg Ser Arg Ala Xaa Xaa Leu Glu Asp Pro Ser Leu Arg

1

5

10

15

5845

Thr Arg Ala Cys Arg Arg His Ser Xaa Ser Ile Val Ser Pro Lys Phe
20 25 30
Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp Trp Glu Asn Pro Gly
35 40 45
Xaa Thr Gln Leu Lys Arg Leu Ala Val His Ser Leu Phe Xaa Gln Xaa
50 55 60
Xaa
65

<210> 6599

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5846

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6599

Thr	Ser	Asp	Xaa	Thr	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Xaa	Gly
1				5					10					15	

Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Xaa	Ile	Val
			20					25					30		

Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp
		35					40					45			

Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Thr	Pro
	50					55					60				

Phe	Ala	Ser	Trp	Arg	Asn	Ser	Glu	Glu	Ala	Arg	Thr	Asp	Arg	Pro	Xaa
65					70					75					80

Gln	Gln	Leu	Xaa	Ser	Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro	Cys	Ser	Gly
				85					90					95	

Xaa	Leu	Ser	Ala	Xaa	Gly	Val	Val	Val	Thr
		100						105	

<210> 6600

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

5847

<220>
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 1 5 10 15
 Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
 20 25 30
 Ser Ala Asp Ala Trp Ala Asp Ala Trp Ala Asp Ala Trp Val Lys Xaa
 35 40 45
 Gly Tyr Lys Lys Leu Phe Val Leu Asp Asp Arg Glu Ala His Asn Glu
 50 55 60
 Val Xaa Pro Leu Xaa Xaa
 65 70

<210> 6601
 <211> 69
 <212> PRT
 <213> Homo sapiens

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5848

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<400> 6601

Ile	Asn	Leu	Cys	Asn	Leu	Lys	Asn	Xaa	Xaa	Glu	Gly	Gly	Arg	Ser	Arg
1				5				10						15	

Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Ser	Ile
			20					25					30		

Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp
		35					40					45			

Trp	Glu	Asn	Pro	Gly	Val	Thr	Xaa	Leu	Asn	Arg	Leu	Ala	Ala	His	Xaa
	50					55					60				

Pro	Phe	Xaa	Gln	Xaa
				65

<210> 6602

<211> 32

<212> PRT

<213> Homo sapiens

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5849

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<400> 6602
Leu Xaa Xaa Leu Trp Lys Thr Pro His Tyr Arg Leu Ser Trp Tyr Ala
1 5 10 15
Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Xaa Xaa Ser
20 25 30

<210> 6603
<211> 38
<212> PRT
<213> Homo sapiens

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5850

<400> 6603

Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His
 1 5 10 15

Ala Ser Gly Glu Ser Ser His Tyr Xaa Phe Ser Xaa Gly Xaa Gly Ala
 20 25 30

Gly Xaa Phe Lys Ser Phe
 35

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<211> 44

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<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6604

Asn Ser Ser Gly Asn Pro His Tyr Arg Xaa Ser Trp Tyr Ala Cys Arg
 1 5 10 15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser
 20 25 30

Ala His Ala Xaa Glu Lys Xaa Arg Xaa Lys Lys Xaa

5851

35

40

<210> 6605

<211> 43

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<400> 6605

Xaa Ser Pro Ala Ser Tyr Pro Xaa His Tyr Arg Glu Ser Trp Tyr Ala

1

5

10

15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Asp

20

25

30

5852

Ala Trp Val Asp Pro Xaa Ile Xaa Xaa Xaa Xaa
 35 40

<210> 6606

<211> 57

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<400> 6606

Tyr Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
 1 5 10 15

Gly Ser Thr His Ala Ser Gly Gln Xaa Xaa Xaa Phe Leu Trp Pro Thr
 20 25 30

Ser Glu Pro Val Thr Arg Lys Gly Lys Xaa Gly Arg Xaa Glu Asp Pro
 35 40 45

Thr Tyr Glu Xaa Asn Val Tyr Gly Leu

5853

50

55

<210> 6607

<211> 51

<212> PRT

<213> Homo sapiens

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<400> 6607

Tyr	Pro	His	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly
1				5					10					15	

Ile	Pro	Gly	Ser	Thr	His	Ala	Xaa	Ala	Glu	Arg	Glu	Thr	Ile	Ser	Ser
			20					25					30		

Leu	Gln	Gly	Thr	Ile	Pro	Gly	Asn	Val	Leu	Ile	His	Tyr	Gly	Ile	Lys
		35					40					45			

Ala	Val	Val
	50	

<210> 6608

<211> 34

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6608

Pro	Xaa	Lys	Leu	Leu	Xaa	Asn	Thr	Pro	His	Tyr	Arg	Glu	Ser	Trp	Tyr
1				5					10					15	

Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Gly
			20					25					30		

5854

His Phe

<210> 6609

<211> 48

<212> PRT

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6609

Ile	Ala	Ser	Gly	Arg	Ser	Arg	Arg	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

Arg	Arg	His	Ser	Ser	Ser	Ile	Leu	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala
			20					25					30		

Val	Xaa	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Xaa	Thr	Xaa	Xaa	Pro	Ser
		35					40					45			

<210> 6610

<211> 41

<212> PRT

<213> Homo sapiens

<400> 6610

5855

Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15
 Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30
 Val Val Leu Gln Arg Arg Asp Trp Glu
 35 40

<210> 6611

<211> 45

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6611

Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15
 Arg Arg His Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30
 Val Val Leu Gln Arg Arg Asp Trp Glu Thr Lys Xaa Xaa
 35 40 45

<210> 6612

<211> 47

<212> PRT

<213> Homo sapiens

<220>

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<222> (44)

5856

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6612

Ile	Ala	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala
			20					25					30		

Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Xaa	Arg	Xaa	Xaa
		35					40					45		

<210> 6613

<211> 46

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 <400> 6613
 Phe Xaa Ile Xaa Ser Gly Arg Xaa Arg Gly Ser Xaa Leu Xaa Tyr Ala
 1 5 10 15
 Cys Met Arg Xaa His Ser Ser Xaa Ile Met Ser Pro Lys Phe Asn Ser
 20 25 30
 Leu Ala Xaa Xaa Leu Gln Arg Arg Asp Trp Glu Asn Glu Cys
 35 40 45

 <210> 6614
 <211> 45
 <212> PRT
 <213> Homo sapiens

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 <220>
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 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6614

5858

Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30

Val Val Leu Gln Arg Arg Asp Trp Thr Pro Lys Xaa Xaa
 35 40 45

<210> 6615

<211> 31

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<400> 6615

Asp Tyr Xaa Xaa Ser Asn Thr Ser His Tyr Xaa Glu Ser Trp Tyr Ala
 1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala
 20 25 30

<210> 6616

<211> 36

<212> PRT

<213> Homo sapiens

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<400> 6616

5859

Gly Gly Gly Val Gly Asn Asp Tyr Ala Leu Ser Asn Thr Xaa His Tyr
1 5 10 15
Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
20 25 30
Thr His Ala Ser
35

<210> 6617

<211> 46

<212> PRT

<213> Homo sapiens

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6617

Leu Arg Xaa Ser Gln Ile Arg Xaa Xaa Ile Gly Xaa Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Val

5860

20 25 30
 Leu Val Val Ile Phe Phe Phe Xaa Pro Gly Cys Xaa Leu Phe
 35 40 45

 <210> 6618
 <211> 45
 <212> PRT
 <213> Homo sapiens

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 <220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6618
 Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15
 Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30
 Val Val Leu Gln Arg Arg Asp Trp Asp Pro Lys Xaa Xaa
 35 40 45

<210> 6619
 <211> 45
 <212> PRT
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 <220>
 <221> SITE

5861

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6619

Ile	Ala	Ser	Gly	Arg	Ser	Xaa	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met
1				5					10					15	

Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala
			20					25					30		

Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Thr	Gln	Xaa	Xaa
		35					40					45

<210> 6620

<211> 57

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6620

Arg	Val	Gly	Thr	Lys	Thr	Ser	Arg	Gly	Xaa	Lys	Arg	Ala	Ala	Ala	Leu
1				5					10					15	

Lys	Asp	Pro	Ser	Leu	Arg	Thr	Arg	Ala	Cys	Gly	Arg	His	Ser	Ser	Ser
			20					25					30		

Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg
		35					40					45			

Asp	Trp	Asp	Pro	Xaa	Asn	Xaa	Xaa	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----

5862

50

55

<210> 6621

<211> 42

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6621

Met	Asp	Ile	Ser	Leu	Leu	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Arg
1				5					10					15	

Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Xaa	Ile
			20					25					30		

Xaa	Ser	Pro	Lys	Phe	Asn	Xaa	Leu	Ala	Arg
		35					40		

<210> 6622

<211> 77

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<213> Homo sapiens

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5863

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<400> 6622
 Ile Xaa Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15
 Arg Arg His Ser Ser Ser Ile Xaa Thr Pro Lys Phe Asn Ser Leu Ala
 20 25 30
 Val Xaa Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
 35 40 45
 Asn Arg Leu Ala Ala His Pro Xaa Phe Ala Ser Trp Arg Asn Ser Glu
 50 55 60
 Glu Ala Arg Thr Asp Arg Leu Ala Asn Arg Cys Ala Xaa
 65 70 75

<210> 6623
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (41)

5864

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6623

Arg	Ile	Gln	Ala	Tyr	Arg	Thr	Arg	Ala	Cys	Arg	Arg	His	Ser	Ser	Ser
1				5				10					15		
Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg
			20					25				30			
Asp	Trp	Glu	Asn	Pro	Asp	Xaa	Xaa	Xaa							
			35				40								

<210> 6624

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6624

Leu	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Xaa	Ile	Xaa	Trp	Tyr	Ala
1				5				10				15			
Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	His
			20					25				30			
Ala	Ser	Val													
			35												

<210> 6625

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

5865

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6625

Leu	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Gly	Xaa	Xaa	Trp	Tyr	Ala
1				5					10					15	

Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	Lys
			20					25					30		

Ser	Asp	Arg	Ile	Val	Asn	Glu	Thr
			35				40

<210> 6626

<211> 36

<212> PRT

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6626

Leu	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Xaa	Ile	Xaa	Trp	Tyr	Ala
1				5					10					15	

Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Glu	Tyr
			20					25					30		

Leu	Leu	Leu	Glu
			35

<210> 6627

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5866

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6627

Pro	Xaa	Leu	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Gly	Xaa	Ser	Trp
1				5				10					15		

Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser
			20				25					30			

Asp

<210> 6628

<211> 59

<212> PRT

<213> Homo sapiens

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<222> (1)

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5867

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 <400> 6628
 Xaa Lys Gly Asn Xaa Xaa Thr Ala Met Thr Met Ile Thr Pro Ser Ser
 1 5 10 15

 Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Xaa
 20 25 30

 Gly Xaa Pro Gly Ser Thr His Ala Xaa Ala His Ala Ser Xaa Pro Met
 35 40 45

 Thr Thr Lys Gly Arg Lys Lys Tyr Phe Leu His
 50 55

<210> 6629
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<220>
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5868

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6629

Thr	Ile	Gly	Asn	Leu	His	Arg	Ile	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Asn	Thr	Thr	His	Tyr	Xaa	Glu	Ser	Trp	Xaa	Ala	Cys	Arg	Tyr
			20					25					30		

Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Asp	His	Phe	Ala	His
		35					40					45			

Xaa	Ser	Phe	Leu	Xaa	Glu	His	Ser	Lys	Lys	Met	Cys	Xaa
	50					55					60	

<210> 6630

<211> 76

<212> PRT

<213> Homo sapiens

<220>

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<220>

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5869

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

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<222> (53)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6630

Met	Gly	Xaa	Leu	Pro	Pro	Pro	Phe	Pro	Gly	Lys	Thr	Xaa	Leu	Thr	Met
1				5					10				15		

Ile	Xaa	Pro	Ser	Ser	Asn	Thr	Thr	His	Tyr	Leu	Glu	Ser	Trp	Xaa	Ala
			20					25					30		

Cys	Arg	Xaa	Arg	Xaa	Gly	Ile	Pro	Xaa	Ser	Xaa	His	Ala	Ser	Gly	Ser
		35					40					45			

Arg	Glu	Glu	Ala	Xaa	Ala	Thr	Met	Glu	Asn	Lys	Xaa	Ile	Cys	Ala	Leu
	50					55					60				

Xaa	Leu	Xaa	Xaa	Met	Leu	Ala	Leu	Gly	Thr	Leu	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5870

65

70

75

<210> 6631

<211> 56

<212> PRT

<213> Homo sapiens

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<222> (1)

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<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6631

Xaa	Gly	Gly	Xaa	Leu	Thr	Gly	Asn	Xaa	Asn	Asn	Phe	Thr	Gln	Glu	Thr
1				5					10					15	

Ala	Met	Thr	Met	Ile	Thr	Pro	Ser	Ser	Asn	Thr	Thr	His	Tyr	Arg	Glu
			20						25				30		

Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Xaa	Gly	Ile	Pro	Gly	Ser	Thr	His
			35					40				45			

Ala	Ser	Ala	Trp	Xaa	Ser	Xaa	Ile
							55

5871

<210> 6632

<211> 44

<212> PRT

<213> Homo sapiens

<220>

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6632

Tyr	Asp	Ser	Leu	Phe	Gly	Lys	Val	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser
1				5				10					15		

Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Gly	Ile	Phe	Val	Lys	Asn	Ile
			20					25					30		

Leu	His	Tyr	Leu	Gln	Asn	Lys	Glu	Thr	Arg	Xaa	Xaa
			35				40				

<210> 6633

<211> 33

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6633

Thr	Met	Leu	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Gly	Lys	Cys	Trp
1				5				10					15		

Tyr	Val	Cys	Arg	Tyr	Arg	Xaa	Gly	Ile	Pro	Gly	Xaa	Thr	His	Ala	Ser
			20					25					30		

5872

Gly

<210> 6634

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6634

Val	Ser	Ile	Gly	Asn	Ser	Leu	Thr	Met	Ile	Thr	Pro	Ser	Ser	Asn	Thr
1				5					10					15	

Thr	His	Tyr	Arg	Glu	Xaa	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile
			20					25					30		

Pro	Gly	Ser	Thr	His	Ala	Ser	Gly
		35					40

<210> 6635

<211> 52

<212> PRT

<213> Homo sapiens

<220>

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6635

Arg	Glu	Tyr	Ser	Phe	Leu	Leu	Glu	Thr	Ala	Ile	Thr	Met	Ile	Thr	Pro
1				5					10					15	

5873

Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
 20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu Xaa Xaa Xaa Arg
 35 40 45

Thr Leu Lys Asn
 50

<210> 6636

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6636

Thr Val Ser Leu Gly Asn Ser Leu Thr Met Ile Thr Pro Ser Ser Asn
 1 5 10 15

Thr Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
 20 25 30

Ile Pro Gly Ser Thr His Ala Ser Glu Ser Phe Lys Ser Trp Val Phe
 35 40 45

Arg Leu Leu Cys Ser Ser Cys Val Phe Asn Ile Leu
 50 55 60

<210> 6637

<211> 61

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

5874

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<400> 6637
 Glu Xaa Pro Xaa Phe Ile Leu Glu Thr Ala Ile Thr Met Ile Thr Pro
 1 5 10 15
 Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
 20 25 30
 Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Pro Xaa Lys Ile
 35 40 45
 Arg Lys His Xaa Ser Tyr Ser His Val Glu Xaa Xaa Ala
 50 55 60

<210> 6638
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
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<220>
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5875

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6638
 Ala Xaa Xaa Pro His Phe Xaa Thr Thr His Tyr Arg Glu Xaa Trp Tyr
 1 5 10 15
 Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu
 20 25 30
 Ile Thr Phe Cys Gly His Cys Lys Ile Asn Ile Trp
 35 40

<210> 6639
 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6639
 Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
 1 5 10 15
 Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
 20 25 30
 Xaa Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
 35 40 45
 Asn Arg Leu Ala Ala His Xaa Pro Phe Ala Ala Gly Val Ile Ala Lys
 50 55 60
 Lys Pro Ala Pro Ile Gly Leu Pro Thr Ser Cys Ala Ala

5876

65

70

75

<210> 6640

<211> 64

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5877

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6640

Lys	Lys	Xaa	Xaa	Xaa	Xaa	Xaa	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Xaa	Gly
1				5					10					15	

Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Xaa	Ser	Ser	Ile	Val
			20					25					30		

Ala	Pro	Lys	Phe	Asn	Tyr	Trp	Pro	Arg	Phe	Thr	Thr	Ser	Asp	Trp	Glu
		35					40					45			

Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Gly	Xaa	Asn	Xaa	Leu	Leu
	50					55					60				

<210> 6641

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

5878

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6641
Tyr Ser Tyr Xaa Leu Pro Tyr Xaa Ile Phe Ile Leu Asn Lys Ile Ile
1 5 10 15

Trp Arg Phe Leu Pro Gln Xaa Xaa Xaa Xaa Lys Xaa Xaa Xaa Pro Ser
20 25 30

5879

Xaa Lys Gly Gly Arg Xaa Xaa Arg Ser Lys Leu Thr Tyr Ala Cys Met
35 40 45

Gln Arg His Asn Ser Ser Ile Val Ser Leu Asn Ser Ile Xaa Trp Ala
50 55 60

Val Val Leu Gln Arg Xaa Asp Trp
65 70

<210> 6642

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

$\langle 220 \rangle$

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (32)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6642

Arg Thr Xaa Phe Trp Asn Thr Xaa Xaa Tyr Arg Glu Ser Trp Tyr Ala
1 5 10 15

5880

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Xaa
20 25 30

Leu Xaa Gly Xaa Gly Leu
35

<210> 6643

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

<221> SITE

<222> (55)

5881

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<400> 6643

Ile	Arg	Xaa	Xaa	Xaa	Leu	Arg	Xaa	Asp	Thr	Thr	His	Tyr	Arg	Glu	Ser
1				5					10					15	

Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Xaa	Thr	His	Ala
			20					25					30		

Ser	Val	Glu	Ile	Cys	Pro	Pro	Xaa	Ser	Arg	Pro	Xaa	Ser	Ser	Gln	Ser
		35					40					45			

Asn	Gly	Glu	Gly	Tyr	Ser	Xaa	Cys	Arg	Arg	Pro	Gln	Ala	Leu	Glu	Ala
	50					55					60				

Ala	Thr	Tyr	Leu	Asn	Pro	Val	Pro	Xaa	Arg	Ile	Leu	Leu	Lys	Pro	Phe
65					70					75					80

<210> 6644

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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5882

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6644

Pro	Xaa	Ala	Trp	Xaa	Leu	Xaa	Thr	Gln	Leu	Gly	Thr	Thr	His	Tyr	Arg
1				5					10					15	

Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr
			20					25					30		

His	Ala	Ser	Gly	Lys	Thr	Trp	Ile	Ile	Xaa	Val	Cys	Cys	Thr	Arg	Gly
		35					40					45			

Ser	Xaa	Gly	Xaa	Leu	Thr	Ala	Lys	Asn	Asp
	50					55			

<210> 6645

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

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<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

5883

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<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6645

Phe	Gly	Ile	Gln	Leu	Xaa	Xaa	Xaa	Arg	Leu	Gly	Thr	Thr	His	Tyr	Arg
1				5					10					15	

Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr
			20					25					30		

His	Ala	Xaa	Asp	Xaa	Met	Xaa	Leu	Trp	Leu	Leu	Gln
		35					40				

<210> 6646

<211> 59

<212> PRT

<213> Homo sapiens

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<222> (11)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6646

Thr	Pro	Val	Gly	Thr	Thr	His	Tyr	Arg	Glu	Xaa	Trp	Tyr	Ala	Cys	Arg
1				5					10					15	

Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Gly	Ala	Glu	Xaa
			20					25					30		

Ser	Gly	Ile	Xaa	Leu	Glu	Ala	Gly	Lys	Asn	Gln	Xaa	Val	Leu	Xaa	Cys
		35					40					45			

Gly	Ser	Gly	Gln	Gly	Leu	Glu	Arg	Pro	Xaa	Pro
	50					55				

<210> 6647

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6647

Ile	Cys	Asn	Thr	Xaa	His	Tyr	Arg	Glu	Ser	Trp	Xaa	Ala	Cys	Arg	Tyr
1				5					10				15		

5885

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Asp Ser Lys Asp Xaa
 20 25 30

Ser Val Asp Gly Ser Xaa
 35

<210> 6648

<211> 45

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6648

Pro Ile Phe Xaa Trp Lys His Ala Met Thr Met Ile Thr Pro Ser Ser
 1 5 10 15

Asn Thr Thr His Tyr Arg Xaa Ser Trp Xaa Ala Cys Arg Tyr Arg Ala
 20 25 30

Gly Ile Pro Gly Ser Thr His Ala Ser Gly Asp Xaa Xaa
 35 40 45

<210> 6649

5886

<211> 92
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6649
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 1 5 10 15

Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr
 20 25 30

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
 35 40 45

Thr His Ala Ser Gly Pro Ser Arg Glu Ile Pro Arg Ser Leu His Leu
 50 55 60

Val Ile Xaa Thr Glu His Arg Pro Pro Thr Met Glu Leu Gly Leu Ser
 65 70 75 80

Trp Ile Xaa Leu Xaa Ala Met Ile Lys Gly Val Asn

5887

85

90

<210> 6650

<211> 71

<212> PRT

<213> Homo sapiens

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<400> 6650

Leu	Pro	Xaa	Xaa	Xaa	Asn	Thr	Thr	His	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala
1					5				10					15	

Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Glu	Lys
			20					25					30		

5888

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Lys Lys Xaa Gly Xaa Xaa
65 70

<210> 6651

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5889

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<400> 6651

Asn	Leu	Thr	Gln	Val	Ala	Ala	Met	Xaa	Met	Ile	Thr	Xaa	Xaa	Ser	Asn
1				5					10					15	

Thr	Thr	His	Tyr	Arg	Glu	Ser	Xaa	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly
			20					25					30		

Ile	Pro	Gly	Ser	Thr	His	Ala	Leu	Arg	Tyr	Cys	Gly	Pro	Xaa	Ala	His
		35					40					45			

Arg	Phe	Thr	Ser	Pro	Pro	Cys	Xaa	Ser	Leu	Xaa	Leu	Xaa	Met	Leu	Met
	50					55					60				

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<211> 52

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<400> 6652

Thr	Cys	Ser	Pro	Gly	Lys	Xaa	Xaa	Thr	Ile	Leu	His	Arg	Lys	Thr	Ala
1				5					10					15	

5890

Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr Arg Glu Ser
 20 25 30

Xaa Xaa Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
 35 40 45

Ser Gly Gln Ala
 50

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<400> 6653

Gln Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His
 1 5 10 15

Tyr Arg Asp Cys Trp Xaa Ala Cys Arg Tyr Arg Ala Gly Ile Xaa Gly
 20 25 30

Ser Thr His Ala Ser Xaa Arg
 35

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<211> 62

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 <400> 6654
 Leu Leu Asp Asn Thr Leu Thr Gln Xaa Thr Ala Met Thr Met Ile Thr
 1 5 10 15

 Pro Ser Ser Asn Thr Thr His Tyr Arg Xaa Xaa Trp Tyr Ala Cys Xaa
 20 25 30

 Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Val Xaa Arg Leu
 35 40 45

 Leu Ala Thr Cys Phe Ala Arg Xaa Arg Xaa Thr Tyr Xaa Thr
 50 55 60

5892

<210> 6655

<211> 73

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<400> 6655

Xaa	Asn	Xaa	Xaa	Thr	Gln	Asp	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro	Ser
1				5					10					15	

Ser	Asn	Thr	Thr	His	Tyr	Arg	Xaa	Ser	Cys	Tyr	Ala	Cys	Xaa	Tyr	Arg
			20					25					30		

Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	Phe	Gly	Val	His	Lys
		35					40					45			

Met	Ser	Gly	Ser	Leu	Asn	Phe	Leu	Ser	Asn	Leu	Glu	Cys	Leu	Leu	His
	50					55					60				

Leu	Phe	Asn	Phe	Cys	Lys	Cys	Leu	Lys
65					70			

<210> 6656

5893

<211> 103

<212> PRT

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<400> 6656

Leu	Xaa	Cys	Thr	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Arg	Gly	Ser
1				5					10					15	

Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser
			20					25					30		

Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu
		35					40					45			

Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Xaa	Pro	Phe
	50					55				60					

Ala	Ser	Trp	Arg	Asn	Ser	Glu	Glu	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln
65					70				75					80	

Gln	Leu	Arg	Ser	Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro	Cys	Ser	Gly	Ala
				85				90						95	

Leu	Ser	Ala	Xaa	Xaa	Val	Xaa
						100

5894

<210> 6657

<211> 109

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<400> 6657

Ile Ala Ser Gly Arg Ser Arg Gly Xaa Lys Leu Thr Tyr Ala Cys Met

1

5

10

15

5895

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Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
      20              25              30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
      35              40              45

Asn Xaa Leu Ala Xaa His Pro Pro Phe Xaa Ser Trp Arg Asn Ser Glu
      50              55              60

Glu Ala Arg Thr Asp Arg Pro Phe Gln Gln Leu Arg Ser Leu Asn Gly
      65              70              75              80

Glu Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser Ala Ala Xaa Val Xaa
      85              90              95

Val Thr Arg Ser Val Thr Val Thr Leu Ala Arg Xaa Xaa
      100             105

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<210> 6658

<211> 84

<212> PRT

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<400> 6658

Lys	Lys	Lys	Xaa	Glu	Lys	Xaa	Lys	Gly	Gly	Arg	Ser	Arg	Gly	Ser	Lys
1				5				10					15		

Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Ser	Ile	Gly	Ser	Pro
			20					25					30		

Lys	Xaa	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn
		35						40				45			

Pro	Gly	Val	Thr	Gln	Leu	Arg	Gly	Xaa	Gly	Ser	Thr	Xaa	Pro	Xaa	Arg
	50					55					60				

Gln	Leu	Ala	Glu	Glu	Arg	Arg	Gly	Ala	Ala	Pro	Ile	Ala	Leu	Ala	Asn
65					70					75					80

Ser Cys Ala Ala

<210> 6659

<211> 101

<212> PRT

<213> Homo sapiens

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<400> 6659
 Lys Xaa Lys Lys Lys Lys Gly Gly Arg Ser Xaa Gly Ser Lys Leu Thr
 1 5 10 15
 Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Xaa Ser Pro Lys Phe
 20 25 30
 Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly
 35 40 45
 Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp
 50 55 60
 Arg Asn Ser Xaa Lys Ala Arg Thr Asp Arg Pro Xaa Gln Gln Leu Arg
 65 70 75 80
 Ser Leu Asn Gly Xaa Met Gly Thr Arg Pro Val Thr Gly Ala Leu Ser
 85 90 95
 Xaa Ala Gly Trp Xaa
 100

<210> 6660
 <211> 92
 <212> PRT

5898

<213> Homo sapiens

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<400> 6660

Phe	Xaa	Xaa	Xaa	Ser	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala
1				5					10					15	

Cys	Met	Arg	Arg	Tyr	Ser	Tyr	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser
		20						25					30		

Leu	Ala	Val	Val	Leu	Gln	Arg	Xaa	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr
		35					40					45			

Xaa	Leu	Asn	Arg	Leu	Ala	Ala	His	Pro	Pro	Phe	Ala	Ser	Trp	Cys	Asn
	50					55					60				

Ser	Glu	Glu	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln	Gln	Leu	Arg	Lys	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5899

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65              70              75              80
Asn Gly Glu Trp Asp Pro Ala Leu Xaa Arg Gly Xaa
      85              90

<210> 6661
<211> 59
<212> PRT
<213> Homo sapiens

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<400> 6661
Asn Thr Lys Asn Pro Xaa Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser
 1              5              10              15
Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser
      20              25              30
Ile Val Xaa Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Xaa
      35              40              45
Xaa Trp Glu Asn Pro Gly Val Thr Gln Xaa Asn
      50              55

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5900

<210> 6662

<211> 71

<212> PRT

<213> Homo sapiens

<400> 6662

Ile Lys Val Ile Thr Ile Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser
1 5 10 15

Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser
20 25 30

Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg
35 40 45

Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His
50 55 60

Pro Pro Phe Ala Ser Trp Pro
65 70

<210> 6663

<211> 61

<212> PRT

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<400> 6663

Xaa Xaa Asp Leu Xaa Cys Gln Xaa Asp Tyr Arg Glu Ser Trp Tyr Ala

5901

1	5	10	15
Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Gln	20	25	30
Leu Leu Arg Ser Glu Pro Phe Pro Leu His Phe Leu Phe Thr Gln Gly	35	40	45
Gly Ala Gly Ser Gly Gly Arg Lys Leu Gly Gly Gly Val	50	55	60

<210> 6664

<211> 44

<212> PRT

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<400> 6664

Ile Ala Ser Gly Arg Ser Ile Gly Ser Lys Leu Thr Tyr Ala Cys Met	1	5	10	15
Arg Arg His Asn Ser Ser Xaa Val Ser Pro Lys Xaa Asn Ser Leu Ala	20	25	30	
Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Xaa	35	40		

<210> 6665

<211> 45

<212> PRT

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<400> 6665
Gly Xaa Xaa Leu Thr Phe Pro Phe Met Xaa Xaa His Asn Ser Ser Ile
1 5 10 15
Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Pro Asp
20 25 30
Trp Xaa Xaa Lys Asn Xaa Arg Asn Xaa Lys Val Arg Arg
35 40 45

5903

<210> 6666
 <211> 53
 <212> PRT
 <213> Homo sapiens

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 <400> 6666
 Thr Ser Ser Arg Xaa Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr
 1 5 10 15
 Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Xaa
 20 25 30
 Asn Ser Leu Ala Val Val Xaa Gln Arg Arg Asp Trp Glu Asn Pro Arg
 35 40 45
 Xaa Ser Cys Gly Ser
 50

<210> 6667
 <211> 51
 <212> PRT
 <213> Homo sapiens

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5904

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<222> (50)

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<400> 6667

Thr	Ser	Ser	Ser	Ile	Ala	Ser	Gly	Arg	Ser	Arg	Arg	Ser	Lys	Leu	Thr
1				5				10					15		

Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe
			20					25					30		

Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Pro	Gln	Lys
		35					40					45			

Xaa	Xaa	Xaa
		50

<210> 6668

<211> 52

<212> PRT

<213> Homo sapiens

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5905

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<400> 6668

Ser	Leu	Arg	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser	Ser	Ile	Xaa	Ser
1				5					10					15	

Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu
			20					25					30		

Asn	Xaa	Xaa	Lys	Ser	Cys	Lys	Arg	Gly	Xaa	Glu	Leu	Asn	Leu	Val	Xaa
			35				40					45			

Tyr	Arg	Arg	Leu
			50

<210> 6669

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<400> 6669

Leu	Phe	Ile	Xaa	Ala	Pro	Lys	Phe	Asn	Ser	Leu	Gly	Pro	Ser	Phe	Thr
1				5					10					15	

Arg	Xaa	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu	Xaa	Arg	Leu	Gly
			20					25					30		

Xaa	Asn	Pro	Pro	Phe	Ala	Asn	Trp	Gly	Ile	Thr	Lys	Lys	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5906

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<210> 6670

<211> 29

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<400> 6670

Ile Gln Phe Thr Xaa Arg Xaa Leu Gln Xaa Xaa Asp Trp Glu Asn Pro

1

5

10

15

Gly Val Xaa Gln Leu Asn Arg Leu Ala Ala His Pro Pro

20

25

<210> 6671

<211> 158

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5908

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<400> 6671

Arg	Gly	Trp	Ala	Xaa	Xaa	Pro	Xaa	Arg	Arg	Xaa	Pro	Val	Glu	Asp	Xaa
1				5				10					15		

His	Leu	Pro	Arg	Leu	Val	Ser	Arg	Thr	Pro	Gly	Thr	Xaa	Pro	Xaa	Tyr
			20					25					30		

Xaa	His	Ser	Tyr	Leu	Gly	Ser	Ala	Arg	Glu	Arg	Gln	Ala	Arg	Ser	Glu
		35					40					45			

Gly	Xaa	Ser	Xaa	Gly	Gly	Xaa	Leu	Glu	Thr	Pro	Ser	Lys	Arg	Ser	Ala
	50					55					60				

Gln	Ile	Gly	Pro	Arg	Xaa	Ala	Ser	Tyr	Tyr	Ala	Trp	Ser	Xaa	Pro	Gly
65					70					75					80

Xaa	Tyr	Lys	Ala	Gly	Ser	Ser	Gln	Asp	Asp	Gln	Glu	Asp	Ala	Cys	Asp
				85				90						95	

Asp	Ala	Leu	Ser	Xaa	Tyr	Ser	Xaa	Leu	Glu	Leu	Thr	Arg	Xaa	Xaa	Ser
		100						105					110		

Tyr	Arg	Gly	Arg	Ser	Xaa	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg
		115					120					125			

Arg	His	Ser	Ser	Ser	Ile	Xaa	Xaa	Pro	Lys	Xaa	Asn	Ser	Leu	Ala	Val
	130					135					140				

Xaa	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln
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<210> 6672

<211> 77

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6672

Ser	Val	Asn	Val	Thr	Ile	Lys	Ser	Ser	Lys	Val	Lys	Lys	Xaa	Xaa	Lys
1				5					10					15	

Gly	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg
		20						25					30		

His	Xaa	Ser	Ser	Ile	Val	Ser	Pro	Lys	Xaa	Asn	Ser	Leu	Ala	Gly	Xaa
		35						40					45		

Phe	Thr	Thr	Val	Val	Thr	Gly	Lys	Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn
	50					55					60				

Arg	Leu	Cys	Xaa	His	Ile	Pro	Pro	Phe	Arg	Gln	Leu	Ala
65					70					75		

<210> 6673

<211> 77

<212> PRT

<213> Homo sapiens

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<400> 6673

Gln	Gln	Xaa	Xaa	Ser	Leu	Asn	Gly	Xaa	Trp	His	Ala	Pro	Cys	Ser	Gly
1				5				10						15	

Ala	Leu	Xaa	Ala	Ala	Xaa	Val	Val	Asp	Thr	Arg	Ser	Val	Thr	Ala	Thr
			20					25					30		

Leu	Ala	Ser	Xaa	Leu	Arg	Pro	Leu	Leu	Xaa	Leu	Tyr	Phe	Pro	Ser	Phe
		35					40					45			

Leu	Ala	Thr	Phe	Ser	Arg	Leu	Ser	Pro	Xaa	Lys	Leu	Xaa	Asn	Arg	Xaa
	50					55					60				

Ala	Ser	Leu	Xaa	Gly	Val	Pro	Ile	Leu	Xaa	Ala	Phe	Tyr
65					70				75			

<210> 6674

<211> 90

<212> PRT

<213> Homo sapiens

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<222> (83)

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5913

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 Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
 20 25 30
 Arg Leu Ala Ala His Xaa Pro Phe Ala Ser Trp Xaa Asn Ser Glu Glu
 35 40 45
 Ala Arg Thr Asp Arg Thr Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu
 50 55 60
 Trp Asp Ala Pro Cys Ser Gly Ala Leu Xaa Ala Ala Gly Val Val Val
 65 70 75 80
 Thr Arg Xaa Xaa Thr Ala Thr Leu Xaa Ser
 85 90

<210> 6675
 <211> 63
 <212> PRT
 <213> Homo sapiens

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5914

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<400> 6675

Cys	Met	Arg	Arg	His	Ser	Xaa	Xaa	Ile	Xaa	Xaa	Pro	Lys	Phe	Asn	Ser
1				5				10						15	

Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr
		20					25						30		

Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Pro	Pro	Phe	Ala	Ser	Trp	Arg	Asn
		35					40					45			

Ser	Glu	Glu	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln	Gln	Leu	Arg	Ser
	50					55					60			

<210> 6676

<211> 137

<212> PRT

<213> Homo sapiens

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<220>

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5915

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<400> 6676

Ile	Lys	Leu	Gly	Asn	Gln	Lys	Lys	Lys	Lys	Lys	Xaa	Lys	Gly	Gly	Arg
1				5					10					15	

Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg	Arg	His	Ser	Ser
			20					25					30		

Ser	Ile	Val	Xaa	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg
		35					40					45			

Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala
	50					55					60				

His	Pro	Pro	Phe	Ala	Ser	Trp	Arg	Asn	Ser	Glu	Glu	Ala	Arg	Thr	Asp
65					70					75					80

Arg	Pro	Ser	Gln	Gln	Leu	Arg	Ser	Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro
				85					90					95	

Cys	Ser	Gly	Ala	Leu	Ser	Ala	Ala	Gly	Val	Val	Val	Thr	Pro	Gln	Arg
			100					105					110		

Asp	Pro	Leu	His	Leu	Pro	Xaa	Pro	Tyr	Arg	Pro	Xaa	Pro	Ser	Leu	Ser
		115					120					125			

Ser	Leu	Pro	Xaa	Xaa	Pro	Arg	Ser	Pro
	130					135		

<210> 6677

<211> 92

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6677

Glu	Asn	Pro	Gly	Gly	Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Pro	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5916

1	5	10	15												
Phe	Ala	Ser	Trp	Arg	Asn	Ser	Glu	Glu	Ala	Arg	Thr	Asp	Arg	Pro	Ser
			20					25					30		
Gln	Gln	Leu	Arg	Xaa	Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro	Cys	Ser	Gly
		35					40					45			
Ala	Leu	Ser	Ala	Ala	Gly	Val	Val	Gly	Thr	Arg	Ser	Xaa	Thr	Ala	Thr
	50					55					60				
Leu	Ala	Ala	Pro	Ser	Ala	Ala	Leu	Ser	Leu	Leu	Pro	Ser	Phe	Ser	His
65					70					75					80
Val	Gly	Gly	Phe	Pro	Val	Ser	Ser	Asn	Gly	Ala	Pro				
				85					90						

<210> 6678

<211> 47

<212> PRT

<213> Homo sapiens

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<400> 6678

Leu Ile Asp Arg Ser Xaa Arg Tyr Leu Pro Leu Xaa Ile Ile Leu Lys

5917

1					5					10					15				
Thr	Leu	Xaa	Ala	Met	Val	Phe	Asn	Thr	Phe	Asn	Val	Leu	His	Trp	Gln				
				20					25					30					
Arg	Ile	Xaa	Asp	Gln	Ser	Leu	Pro	Tyr	His	Asn	Ile	Thr	Tyr	Xaa					
				35					40					45					

<210> 6679

<211> 147

<212> PRT

<213> Homo sapiens

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<400> 6679

Thr	Pro	Pro	Tyr	Cys	Pro	Lys	Ile	Gln	Ser	Pro	Pro	Tyr	Ser	Ser	Gln
1				5					10					15	

Gly	Thr	Thr	Ser	Asp	Ala	Ser	Leu	Trp	Thr	Pro	Pro	Gln	Gly	Cys	Pro
			20					25					30		

Trp	Thr	Gln	Xaa	Ser	Pro	Glu	Pro	Arg	Asn	Pro	Pro	Val	Pro	Trp	Thr
		35					40					45			

Xaa	Val	Pro	Ala	Thr	Leu	Glu	Leu	Ala	Ala	Val	Tyr	Gln	Gly	Leu	Ser
	50					55					60				

Val	Ser	Pro	Glu	Pro	Cys	Leu	Ser	Leu	Gly	Ala	Pro	Ser	Leu	Leu	Pro
65					70					75					80

His	Xaa	Xaa	Cys	Gln	Arg	Leu	Gln	Pro	Gln	Thr	Xaa	Gly	Xaa	Cys	Trp
				85					90					95	

Ser	His	Ser	Ala	Glu	Val	Val	Pro	Asn	Ser	Glu	Asp	Gln	Gly	Pro	Gly
			100					105					110		

Ala	Ala	Phe	Gln	Leu	Ser	Glu	Xaa	Ser	Pro	Thr	Gln	Ser	Ser	Xaa	Leu
			115				120					125			

Gln	Phe	Ser	Gly	Cys	Pro	Glu	Leu	Trp	Gln	Glu	Xaa	Leu	Glu	Gly	Ala
	130					135					140				

Xaa	Leu	Gly
145		

<210> 6680

<211> 172

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5919

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<400> 6680
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 1 5 10 15
 Ala Val Lys Val Lys Glu Glu Pro Arg Asp Glu Glu Glu Glu Ala Lys
 20 25 30
 Met Lys Ala Pro Pro Lys Ala Ala Arg Lys Thr Pro Gly Leu Pro Lys
 35 40 45
 Asp Val Ser Val Ala Glu Leu Leu Arg Glu Leu Ser Leu Thr Lys Glu
 50 55 60
 Glu Glu Leu Leu Phe Leu Gln Leu Pro Asp Thr Leu Pro Gly Gln Pro
 65 70 75 80

5920

Pro Thr Gln Asp Ile Lys Pro Ile Lys Thr Glu Val Gln Gly Glu Asp
 85 90 95
 Gly Gln Val Val Leu Ile Lys Gln Glu Lys Asp Arg Glu Ala Lys Leu
 100 105 110
 Ala Glu Asn Ala Cys Thr Leu Ala Asp Leu Thr Glu Gly Gln Val Gly
 115 120 125
 Lys Leu Leu Ile Arg Lys Ser Gly Arg Val Gln Leu Leu Leu Gly Lys
 130 135 140
 Val Thr Leu Asp Val Asp His Gly Asn Cys Leu Leu Leu Xaa Xaa Gly
 145 150 155 160
 Ala Gly Val Arg Gly Pro Xaa Arg Gln Xaa Asp Xaa
 165 170

<210> 6681

<211> 55

<212> PRT

<213> Homo sapiens

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<400> 6681

Ile Ala Ala Ala Arg Val Trp Arg Leu Asn Arg Gly Leu Ser Gln Ala
 1 5 10 15

Ala Leu Leu Leu Leu Arg Gln Pro Gly Ala Arg Gly Leu Ala Arg Ser

5921

20 25 30
 Val Ser Thr Trp Ala Pro Gly Gly Phe Pro Lys Gly Asp Xaa Gly Cys
 35 40 45
 Lys Gly Tyr Leu Xaa Xaa Xaa
 50 55

<210> 6682
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 6682
 Gly Leu Gln Ser Asn Met Pro Lys Phe Tyr Cys Asp Tyr Cys Asp Thr
 1 5 10 15
 Tyr Leu Thr His Asp Ser Pro Ser Val Arg Lys Thr His Cys Ser Gly
 20 25 30
 Arg Lys His Lys Glu Asn Val Lys Asp Tyr Tyr Leu Leu Leu His Ser
 35 40 45
 Leu Leu Leu Leu Leu Gln Gly Arg
 50 55

<210> 6683
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 6683
 Ser Phe Arg Arg Pro Met Ala Ser Ala Ser Thr Gln Pro Ala Ala Leu
 1 5 10 15
 Ser Ala Glu Gln Ala Lys Val Val Leu Ala Glu Val Ile Gln Ala Phe
 20 25 30
 Ser Ala Pro Glu Asn Ala Val Arg Met Asp Glu Ala Arg Asp Asn Ala
 35 40 45
 Cys Asn Asp Met Gly Val Leu Lys Phe Ala Arg Leu Val Lys Ser Tyr
 50 55 60
 Glu Ala Gln Asp Pro Glu Ile Ala Ser Leu Ser Gly Lys Leu Lys Ala
 65 70 75 80

5922

Leu Phe Leu Pro Pro Met Thr Leu Pro Pro His Gly Pro Ala Ala Gly
 85 90 95

Gly Ser Val Ala Ala Ser
 100

<210> 6684

<211> 97

<212> PRT

<213> Homo sapiens

<400> 6684

Pro Arg Val Arg Ala Asp Ile Asn Thr Lys Trp Ala Ala Thr Arg Trp
 1 5 10 15

Ala Lys Lys Ile Glu Ala Arg Glu Arg Lys Ala Lys Met Thr Asp Phe
 20 25 30

Asp Arg Phe Lys Val Met Lys Ala Lys Lys Met Arg Asn Arg Ile Ile
 35 40 45

Lys Asn Glu Val Lys Lys Leu Gln Lys Ala Ala Leu Leu Lys Ala Ser
 50 55 60

Pro Lys Lys Ala Pro Gly Thr Lys Gly Thr Ala Ala Ala Ala Ala Ala
 65 70 75 80

Ala Ala Ala Ala Ala Ala Lys Val Pro Ala Lys Lys Ile Thr Ala Ala
 85 90 95

Asn

<210> 6685

<211> 87

<212> PRT

<213> Homo sapiens

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<221> SITE

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5923

<400> 6685

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 1             5             10             15

Pro Gly Arg Pro Thr Arg Pro Leu Met Glu Lys Glu Phe Pro Gly Phe
          20             25             30

Leu Glu Asn Gln Lys Asp Pro Leu Ala Val Asp Lys Ile Met Lys Asp
          35             40             45

Leu Asp Gln Cys Arg Asp Gly Lys Val Gly Phe Gln Ser Phe Phe Ser
          50             55             60

Leu Ile Ala Gly Leu Thr Ile Ala Cys Asn Asp Tyr Phe Val Val His
          65             70             75             80

Met Lys Gln Lys Gly Lys Lys
          85

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<210> 6686

<211> 106

<212> PRT

<213> Homo sapiens

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<222> (4)

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5924

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<400> 6686
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 1 5 10 15
 Gly Arg Pro Thr Leu Ser Ser Ala Phe Pro Leu Xaa Thr Ser Thr Leu
 20 25 30
 Ile Gln Xaa Lys Tyr Asp Pro Ser Leu Lys Pro Leu Xaa Xaa Ser Tyr
 35 40 45
 Asp Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn Gly His Ala Phe Asn
 50 55 60
 Xaa Glu Leu Asp Asp Ser Xaa Asp Lys Ala Val Leu Lys Gly Gly Pro
 65 70 75 80
 Leu Asp Gly Thr Asn Arg Trp Ile Lys Leu His Phe Asn Trp Gly Xaa
 85 90 95
 Leu Xaa Gly Gln Arg Xaa Lys Thr Tyr Xaa

5925

100

105

<210> 6687

<211> 110

<212> PRT

<213> Homo sapiens

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5926

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<400> 6687

Ser	Ser	Arg	Leu	Ala	Phe	Pro	Lys	Ala	Thr	Glu	Glu	Xaa	Lys	Ala	Ser
1				5					10					15	
Lys	Pro	His	His	Glu	Trp	Pro	Ser	Gly	Thr	Xaa	Phe	Ala	Arg	Thr	Gly
			20					25					30		
Asp	Pro	Asn	Ser	Xaa	Ala	Leu	Pro	Pro	Trp	Pro	Gln	Phe	Asn	Gln	Ala
			35				40					45			
Glu	Thr	Ile	Ser	Gly	Asn	Gln	Pro	Xaa	Ala	Xaa	Gly	Arg	Thr	Lys	Phe
	50					55					60				
Gln	Gly	Gly	Leu	Asp	Ala	Ile	Leu	Val	Lys	Asn	Pro	Pro	Gln	Gln	Asn
65					70					75					80
Thr	Thr	Trp	Pro	Xaa	Xaa	Gln	Lys	Asn	Arg	Lys	Gly	Pro	Gly	Gly	Thr
				85					90					95	
Xaa	Glu	Gly	Arg	Pro	Lys	Xaa	Phe	Leu	Gly	Leu	Gly	Gln	Thr		
			100					105					110		

<210> 6688

<211> 129

<212> PRT

<213> Homo sapiens

<400> 6688

Gly	Phe	Asn	Asp	Glu	Leu	Glu	Ala	Phe	Lys	Glu	Arg	Val	Arg	Gly	Arg
1				5					10					15	
Ala	Lys	Leu	Arg	Ile	Glu	Lys	Ala	Met	Lys	Glu	Tyr	Glu	Glu	Glu	Glu
			20					25					30		
Arg	Lys	Lys	Arg	Leu	Gly	Pro	Gly	Gly	Leu	Asp	Pro	Val	Glu	Val	Tyr
			35				40					45			
Glu	Ser	Leu	Pro	Glu	Glu	Leu	Gln	Lys	Cys	Phe	Asp	Val	Lys	Asp	Val
	50					55				60					
Gln	Met	Leu	Gln	Asp	Ala	Ile	Ser	Lys	Met	Asp	Pro	Thr	Asp	Ala	Lys
65					70					75					80
Tyr	His	Met	Gln	Arg	Cys	Ile	Asp	Ser	Gly	Leu	Trp	Val	Pro	Asn	Ser
				85					90					95	

5927

Lys Ala Lys Arg Arg Pro Arg Arg Glu Arg Arg Gln Val Leu Gly Thr
 100 105 110

His Tyr Trp Lys Leu Phe Pro Arg Arg Ala Met Arg Arg Met Ser Ser
 115 120 125

Val

<210> 6689

<211> 177

<212> PRT

<213> Homo sapiens

<220>

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<400> 6689

Gly Phe Ile Ile Asp Asp Ser Val Leu Tyr Ser Gly Ala Ser Leu Asn
 1 5 10 15

Asp Val Tyr Leu His Gln His Asp Lys Tyr Arg Tyr Asp Arg Tyr His
 20 25 30

Leu Ile Arg Asn Arg Lys Met Ser Asp Ile Met Phe Glu Trp Val Thr
 35 40 45

Gln Asn Ile Met Asn Gly Arg Gly Val Asn Arg Leu Asp Asp Val Asn
 50 55 60

Arg Pro Lys Ser Pro Glu Ile Lys Asn Asp Ile Arg Leu Phe Arg Gln
 65 70 75 80

Glu Leu Arg Asp Ala Ala Tyr His Phe Gln Gly Asp Ala Asp Asn Asp
 85 90 95

Gln Leu Ser Val Thr Pro Leu Val Gly Leu Gly Lys Ser Ser Leu Leu
 100 105 110

Asn Lys Thr Ile Phe His Leu Met Pro Cys Ala Glu Gln Lys Leu Thr
 115 120 125

Ile Cys Thr Pro Tyr Phe Asn Leu Pro Ala Ile Leu Val Arg Asn Ile
 130 135 140

Ile Gln Leu Leu Arg Glu Gly Lys Lys Val Glu Ile Ile Val Gly Asp
 145 150 155 160

5928

Lys Thr Xaa Asn Asp Phe Tyr Ile Pro Glu Asp Glu Pro Phe Lys Ile
165 170 175

Ile

<210> 6690

<211> 93

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6690

His Glu Leu Val Arg Leu Xaa Gly Gly Cys Xaa Leu Leu Arg Cys Ile
1 5 10 15

Pro Ala Leu Asp Ser Leu Thr Pro Ala Asn Glu Asp Gln Lys Ile Gly
20 25 30

Ile Glu Ile Ile Lys Arg Thr Leu Lys Ile Pro Ala Met Thr Ile Ala
35 40 45

Lys Asn Ala Gly Val Glu Gly Ser Leu Ile Val Glu Lys Ile Met Gln
50 55 60

Ser Ser Ser Glu Val Gly Tyr Asp Ala Met Ala Gly Asp Phe Val Lys
65 70 75 80

Tyr Gly Gly Lys Arg Glu Ser Leu Thr Gln Gln Arg Leu
85 90

<210> 6691

<211> 105

<212> PRT

<213> Homo sapiens

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5929

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<400> 6691
 Gly Val Thr Phe Pro Val Pro Gln Ser Xaa Asp Ser Leu Leu Arg Ala
 1 5 10 15

Val Gly Pro Cys Pro Gln Gln Leu Gly Thr Gln Thr Thr Xaa Glu Arg
 20 25 30

Glu Ser Gln Ala Ser Asn Thr Lys Val Thr Arg Asp Xaa Pro Lys Ser
 35 40 45

Cys Asp Lys Thr Thr His Ala His Arg Xaa Arg Pro Glu Leu Leu Gly
 50 55 60

5930

Gly Pro Gln Leu Leu Phe Xaa Gln Asn Pro Arg His Ala Met Ile Ser
 65 70 75 80

Arg Pro Leu Xaa His Met Arg Gly Gly Asp Xaa Ser His Glu Asp Pro
 85 90 95

Glu Ala Ser Gln Leu Asp Val Asp Xaa
 100 105

<210> 6692

<211> 113

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6692

Arg Arg Val Ser Pro Gly Lys Asn Phe Pro Pro Gly Gly Val Pro Gly
 1 5 10 15

Thr Pro Gln Thr Gly Arg Phe Ser Gly Ala Pro Gly Gly Gly Lys Arg
 20 25 30

Gly Pro Ser Leu Arg Lys Lys Lys Gly Gly Gly Pro Ala Gln Phe Gly
 35 40 45

Pro Xaa Ser Pro Lys Pro Gln Phe Arg Gly Gln Gly Pro Gly Ile Ser
 50 55 60

Pro Trp Val Leu Leu Gly Ile Gln Pro Gly Gly Trp Gly Glu Arg Gly
 65 70 75 80

Glu Thr Pro Ser Gly Arg Ser Pro Cys Arg Gly Xaa Ala Pro Leu Gly
 85 90 95

5931

Gly Gly Arg Thr Thr Ser Lys Leu Leu Glu Thr Xaa Ser Pro Glu Cys
100 105 110

Leu

<210> 6693

<211> 215

<212> PRT

<213> Homo sapiens

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5932

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<400> 6693

Glu	Phe	Ser	Tyr	Glu	Leu	Ser	Lys	Val	Glu	Gly	Lys	Thr	Gly	Thr	Pro
1				5					10					15	

Glu	Lys	Pro	Leu	Ser	Asp	Leu	Gly	Leu	Leu	Ser	Tyr	Arg	Ser	Tyr	Trp
			20				25						30		

Ser	Gln	Thr	Ile	Leu	Glu	Ile	Leu	Met	Gly	Leu	Lys	Ser	Glu	Ser	Gly
		35					40					45			

Glu	Arg	Pro	Gln	Ile	Thr	Ile	Asn	Glu	Ile	Ser	Glu	Ile	Thr	Ser	Ile
	50					55					60				

Lys	Lys	Glu	Asp	Val	Ile	Ser	Thr	Leu	Gln	Tyr	Leu	Asn	Leu	Ile	Asn
65					70					75					80

Tyr	Tyr	Lys	Gly	Gln	Tyr	Ile	Leu	Thr	Leu	Ser	Glu	Asp	Ile	Val	Asp
				85					90					95	

Gly	His	Glu	Arg	Ala	Met	Leu	Lys	Arg	Leu	Leu	Arg	Ile	Arg	Leu	Gln
			100					105					110		

Val	Ser	Ala	Xaa	Ile	Pro	Arg	Asp	Trp	Xaa	Lys	Lys	Gly	Gly	Xaa	Gly
		115					120					125			

Asp	Gln	Thr	Leu	Ala	Thr	Gly	Ile	Ala	Gln	Asp	Gly	Xaa	Gln	Gly	Leu
	130					135					140				

Gly	Gly	Leu	Asn	Ser	Pro	Xaa	Xaa	Ala	Pro	Xaa	Trp	Lys	Xaa	Pro	Thr
145					150					155					160

Lys	Ala	Thr	Phe	Lys	Gly	Lys	Met	Gly	Leu	Glu	Gly	Gln	Val	Gln	Lys
				165					170					175	

Arg	Asp	Arg	Thr	Arg	Ala	Leu	Ala	Gly	Gly	Pro	Thr	Gly	Trp	Pro	Asn
			180					185					190		

Thr	Xaa	Ala	Lys	Leu	Pro	Gly	Leu	Arg	Pro	Thr	Phe	Lys	Gly	Gln	Xaa
			195				200						205		

5933

Gly Pro Lys Ala Gln Gly Phe
 210 215

<210> 6694

<211> 94

<212> PRT

<213> Homo sapiens

<400> 6694

Gly Tyr Thr Arg Ala Glu Tyr Glu Ser Glu Ala Glu Gly Val Met Ala
 1 5 10 15

Gly Gln Ala Phe Arg Lys Phe Leu Pro Leu Phe Asp Arg Val Leu Val
 20 25 30

Glu Arg Ser Ala Ala Glu Thr Val Thr Lys Gly Gly Ile Met Leu Pro
 35 40 45

Glu Lys Ser Gln Gly Lys Val Leu Gln Ala Thr Val Val Ala Val Gly
 50 55 60

Ser Gly Ser Lys Gly Lys Gly Gly Glu Ile Gln Pro Val Ser Val Lys
 65 70 75 80

Val Gly Asp Lys Val Leu Leu Pro Glu Tyr Gly Gly Pro Lys
 85 90

<210> 6695

<211> 112

<212> PRT

<213> Homo sapiens

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<222> (14)

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<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6695

Gly Ser Val Ser Pro Val Pro Val Ala Pro Leu Pro Pro Xaa Thr Met
 1 5 10 15

5934

Gly	Pro	Gly	Pro	Arg	Leu	Leu	Leu	Pro	Leu	Val	Leu	Cys	Val	Gly	Leu
			20					25					30		
Gly	Ala	Leu	Val	Phe	Ser	Ser	Gly	Ala	Glu	Gly	Phe	Arg	Lys	Arg	Gly
		35					40					45			
Pro	Ser	Val	Thr	Ala	Lys	Val	Phe	Phe	Asp	Val	Arg	Ile	Gly	Asp	Lys
		50				55					60				
Asp	Val	Gly	Arg	Ile	Val	Ile	Gly	Leu	Phe	Gly	Lys	Val	Val	Pro	Lys
	65				70					75					80
Thr	Val	Glu	Asn	Phe	Val	Ala	Leu	Ala	Thr	Gly	Glu	Lys	Gly	Tyr	Gly
				85					90					95	
Tyr	Lys	Gly	Ser	Lys	Phe	Ser	Ser	Cys	His	Gln	Gly	Phe	His	Asp	Xaa
			100					105					110		

<210> 6696

<211> 41

<212> PRT

<213> Homo sapiens

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5935

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6696

Trp	Arg	Asp	Val	Ser	Arg	Glu	Ser	Thr	Tyr	Gln	Gly	His	His	Thr	Pro
1				5					10					15	
Pro	Val	Gln	Lys	Gly	Leu	Arg	Tyr	Gly	Ile	Ile	Xaa	Phe	Xaa	Thr	Xaa
			20					25					30		
Xaa	Val	Phe	Phe	Phe	Xaa	Gly	Phe	Phe							
		35					40								

<210> 6697

<211> 41

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6697

Trp	Arg	Asp	Val	Xaa	Arg	Glu	Ser	Thr	Tyr	Gln	Gly	His	His	Thr	Pro
1				5					10					15	
Pro	Val	Gln	Lys	Gly	Leu	Arg	Tyr	Gly	Ile	Ile	Leu	Phe	Ile	Thr	Ser
			20					25					30		
Xaa	Ile	Phe	Phe	Phe	Ala	Gly	Phe	Phe							
		35					40								

<210> 6698

<211> 93

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

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5936

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6698
 Ala His His Ser Leu Ile Xaa Asn Asn Arg Asn Gln Ile Ile Gln Ala
 1 5 10 15
 Leu Leu Ile Thr Ile Leu Leu Gly Leu Tyr Phe Thr Leu Leu Gln Ala
 20 25 30
 Ser Xaa Tyr Phe Glu Ser Pro Phe Thr Ile Ser Asp Gly Ile Tyr Gly
 35 40 45
 Ser Thr Phe Phe Val Ala Thr Gly Phe His Gly Leu His Val Ile Ile
 50 55 60
 Gly Ser Thr Phe Leu Thr Ile Cys Phe Ile Arg Gln Leu Ile Phe His
 65 70 75 80
 Phe Thr Ser Lys His His Phe Gly Phe Xaa Thr Ala Ala
 85 90

<210> 6699
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 6699
 Trp Arg Asp Val Thr Arg Glu Ser Thr Tyr Gln Gly His His Thr Pro
 1 5 10 15
 Pro Val Gln Lys Gly Leu Arg Tyr Gly Ile Ile Leu Phe Ile Thr Ser
 20 25 30
 Glu Val Phe Phe Phe Ala Gly Phe Phe
 35 40

<210> 6700
 <211> 39
 <212> PRT

5937

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6700

Ala	Gly	Ile	Leu	Xaa	Thr	Ala	Leu	Ser	Leu	Leu	Ile	Arg	Ala	Glu	Leu
1				5					10					15	

Gly	Gln	Pro	Xaa	Asn	Leu	Leu	Xaa	Asn	Glu	His	Ile	Tyr	Asn	Val	Ile
			20					25					30		

Val	Thr	Ala	Met	His	Leu	Leu
			35			

<210> 6701

<211> 40

<212> PRT

<213> Homo sapiens

<400> 6701

Thr	Ile	Leu	Pro	Ala	Ile	Ile	Leu	Val	Leu	Ile	Ala	Leu	Pro	Ser	Leu
1				5					10					15	

Arg	Ile	Leu	Tyr	Ile	Thr	Asp	Glu	Val	Asn	Asp	Pro	Ser	Leu	Thr	Ile
			20					25					30		

Lys	Ser	Ile	Gly	His	Gln	Trp	Tyr
			35				40

<210> 6702

<211> 40

<212> PRT

<213> Homo sapiens

5938

<400> 6702

Thr Ile Leu Pro Ala Ile Ile Leu Val Leu Ile Ala Leu Pro Ser Leu
1 5 10 15
Arg Ile Leu Tyr Ile Thr Asp Glu Val Asn Asp Pro Ser Leu Thr Ile
20 25 30
Lys Ser Ile Gly His Gln Trp Tyr
35 40

<210> 6703

<211> 64

<212> PRT

<213> Homo sapiens

<220>

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<400> 6703

Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15
Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30
Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45
Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Xaa Val Phe Thr Leu
50 55 60

<210> 6704

<211> 56

<212> PRT

<213> Homo sapiens

<400> 6704

Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr Ile
1 5 10 15
Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val
20 25 30

5939

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile
35 40 45

Thr Ser Gln Asp Val Leu His Ser
50 55

<210> 6705

<211> 45

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6705

His Val Thr Leu Trp Phe Leu Cys Phe Ile Asn Tyr Leu Ile Tyr Gln
1 5 10 15

Tyr Gly Thr Arg Phe Xaa Lys Lys Xaa Asp Ser Xaa Asp Pro Tyr Ile
20 25 30

Tyr Thr Pro Phe Gly Thr Gly Pro Lys Thr Ala Leu Ala
35 40 45

<210> 6706

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

5940

<400> 6706

His Leu Trp Xaa Leu Ile Glu Gly Gly Ala His Ile Tyr Val Cys Gly
 1 5 10 15

Asp Ala Arg Asn Met Ala Arg Asp Val Gln Asn Thr Phe Tyr Asp Ile
 20 25 30

Val Ala Glu Leu Gly Ala Met Glu His Ala Gln Ala Val Asp Tyr Ile
 35 40 45

Lys Lys Leu Met Thr Lys Gly Arg Tyr Ser Leu Asp Val Trp Ser
 50 55 60

<210> 6707

<211> 158

<212> PRT

<213> Homo sapiens

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<222> (1)

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 <220>
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 <222> (134)
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 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (140)
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 <220>
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 <222> (154)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6707
 Xaa Pro Pro Glu Leu His Asp Xaa Ala Lys Xaa Pro Tyr Thr Glu Ala
 1 5 10 15
 Val Ile Tyr Glu Ile Gln Arg Phe Ser Asp Leu Leu Pro Met Gly Val
 20 25 30
 Pro His Ile Val Thr Gln His Thr Ser Phe Arg Gly Tyr Ile Ile Pro
 35 40 45
 Lys Asp Thr Glu Val Phe Leu Ile Leu Ser Thr Ala Leu His Asp Pro
 50 55 60
 His Tyr Phe Glu Lys Pro Asp Ala Phe Asn Pro Asp His Phe Leu Asp
 65 70 75 80
 Ala Asn Gly Ala Leu Lys Lys Thr Glu Ala Phe Ile Pro Phe Ser Leu
 85 90 95
 Gly Lys Arg Ile Cys Leu Gly Glu Gly Ile Ala Arg Ala Glu Xaa Xaa
 100 105 110

5942

Pro Leu Phe Thr Thr Ile Leu Gln Asn Phe Xaa Met Xaa Ser Pro Val
 115 120 125

Xaa Pro Glu Asp Ile Xaa Leu Thr Pro Xaa Glu Xaa Gly Val Gly Gln
 130 135 140

Lys Asn Pro Pro Thr Tyr Gln Asn Pro Xaa Ser Trp Pro Arg
 145 150 155

<210> 6708
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 6708
 Phe Ser Ala Pro Ser Arg Ile Ser Ala Trp Phe Gly Pro Pro Ala Ser
 1 5 10 15

Thr Pro Ala Ser Thr Met Ser Ile Arg Val Thr Gln Lys Ser Tyr Lys
 20 25 30

Val Ser Thr Ser Gly Pro Arg Ala Phe Ser Ser Arg Ser Tyr Thr Ser
 35 40 45

Gly Pro Gly Ser Arg Ile Ser Ser Ser Ser Phe Ser Arg Val Gly Lys
 50 55 60

Gln Gln Leu Ser Arg Trp Pro Gly Arg Ala Ala Met Val Gly Pro Ala
 65 70 75 80

Ala Trp Glu Ala Ser Pro Glu Leu Arg
 85

<210> 6709
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 6709
 Arg Ser Trp Gly Ala Thr Gln Pro Gly Ser Gln Ala Pro Pro Arg Gln
 1 5 10 15

Leu Ser Arg Phe Ser His Ser Phe Pro Thr Arg Leu Leu Ser Pro Met
 20 25 30

Ala His Ala Thr Leu Ser Ala Ala Pro Ser Asn Pro Arg Leu Leu Arg
 35 40 45

5943

Val Ala Leu Leu Leu Leu Leu Leu Val Ala Ala Ser Arg Arg Ala Ala
 50 55 60

Gly Ala Ser Val Val Thr Glu Leu Arg Cys Gln Cys Leu Gln Thr Leu
 65 70 75 80

Gln Gly Ile His Leu Lys Asn Ile Gln Ser Val Asn Val Arg Ser Pro
 85 90 95

Gly Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly
 100 105 110

Lys Lys Ala Cys Leu Asn Pro Ala Ser Pro Met Val Gln Lys Ile Ile
 115 120 125

Glu Lys Ile Leu Asn Lys Gly Ser Thr Asn
 130 135

<210> 6710

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6710

Gly Thr Phe Arg Asn Asp Asn Ser Ala Glu Met Cys Arg Lys Cys Ser
 1 5 10 15

Thr Gly Cys Pro Arg Arg Met Val Lys Val Lys Asp Cys Thr Pro Trp
 20 25 30

Ser Asp Ile Glu Cys Val His Lys Glu Ser Gly Asn Gly His Asn Ile
 35 40 45

Trp Val Ile Phe Val Val Thr Leu Val Val Pro Leu Leu Xaa Val Ala
 50 55 60

Val Leu Ile Val Trp Cys Cys Ile Gly Ser Xaa Cys
 65 70 75

5944

<210> 6711

<211> 59

<212> PRT

<213> Homo sapiens

<400> 6711

Phe Ile Pro Ile Leu Val Ser Asn Tyr Asn Pro Lys Glu Phe Glu Ser
1 5 10 15

Cys Ile Gln Tyr Tyr Leu Glu Asn Asn Trp Leu Gln His Glu Lys Ala
20 25 30

Pro Thr Glu Glu Gly Lys Lys Glu Leu Leu Phe Leu Ser Asn Ala Asn
35 40 45

Pro Ser Leu Leu Glu Arg His Cys Ala Tyr Leu
50 55

<210> 6712

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (29)

5945

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6712

Xaa	Arg	Pro	Arg	Ser	Gly	Xaa	Pro	Gly	Ser	Thr	His	Ala	Ser	Asp	Pro
1				5				10						15	

Pro	Xaa	Ile	Phe	Xaa	Lys	Pro	Ala	Lys	Thr	Ser	Lys	Xaa	Pro	Gly	Ser
		20						25					30		

Phe	Xaa	Glu	Glu	Leu	Leu	Xaa	Xaa	Thr	Glu	Thr	Val	Val	Thr	Glu	Tyr
		35					40					45			

5946

Leu Asn Ser Gly Asn Ala Asn Glu Ala Val Asn Gly Val Arg Glu Met
 50 55 60
 Arg Ala Pro Lys His Phe Leu Pro Glu Met Leu Ser Lys Val Ile Ile
 65 70 75 80
 Leu Ser Leu Asp Xaa Xaa Xaa Glu Asp Lys Xaa Lys Ala Ser Ser Leu
 85 90 95
 Ile Xaa Leu Leu Lys Gln Glu Gly
 100

<210> 6713

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6713

Ala Leu Phe Asn Xaa Gly Ser Pro Xaa Leu His Glu Phe Arg Ser Xaa
 1 5 10 15

Xaa Thr Leu Phe Ile Val Leu Val Asn Asn Asp Glu Gly Glu Trp Asn
 20 25 30

5947

Gly Pro Pro Pro Xaa Cys Lys Arg Lys Asn Leu
35 40

<210> 6714

<211> 34

<212> PRT

<213> Homo sapiens

<400> 6714

Met Cys Ser Leu Pro Phe Gln Ile Lys Ile Thr His Lys Asn Gln Met
1 5 10 15

Pro Met Leu Met Gly Pro Pro Pro Arg Ser Thr Asn Phe Phe Gly Phe
20 25 30

Leu Ser

<210> 6715

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6715

Gly Gly Asp Gly Thr Val Gly Trp Val Leu Gly Ala Leu Glu Glu Thr
1 5 10 15

5948

Arg Tyr Arg Leu Ala Cys Pro Glu Pro Ser Val Ala Ile Leu Pro Leu
 20 25 30
 Gly Thr Gly Asn Asp Leu Gly Arg Val Leu Arg Trp Gly Ala Gly Tyr
 35 40 45
 Ser Gly Glu Asp Pro Phe Ser Val Leu Leu Ser Val Asp Glu Ala Asp
 50 55 60
 Ala Val Leu Met Asp Arg Trp Thr Ile Leu Leu Asp Ala His Glu Ala
 65 70 75 80
 Gly Ser Ala Glu Asn Asp Thr Ala Xaa Ala Glu Pro Pro Lys Ile Val
 85 90 95
 Gln Met Ser Asn Tyr Leu Trp His Trp His Xaa Pro Gly Leu Xaa Leu
 100 105 110
 Asp Phe Thr Lys His Arg Xaa Glu Glu Pro
 115 120

<210> 6716

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5949

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6716

Xaa	Met	Ala	Glu	Glu	Gly	Xaa	Pro	Ala	Pro	Leu	Pro	Pro	Glu	Asp	Ala
1				5					10					15	

Pro	Asn	Ala	Ala	Ser	Leu	Ala	Pro	Thr	Pro	Xaa	Ser	Pro	Xaa	Leu	Glu
		20						25					30		

Pro	Phe	Asn	Leu	Thr	Ser	Glu	Pro	Ser	Asp	Xaa	Ala	Leu	Asp	Leu	Ser
		35						40					45		

Thr	Phe	Leu	Gln	Gln	Xaa	Pro	Asp	Ala	Phe	Xaa	Xaa	Gly	Xaa	Pro	Glu
		50				55					60				

Leu	Pro	Lys	Lys	Lys	Pro	Lys	Asn	Pro	Gln	Arg	Lys	His	Gln	Gly	Xaa
65						70				75					80

Thr Arg Gly

<210> 6717

<211> 69

5950

<212> PRT

<213> Homo sapiens

<400> 6717

Gly Cys Thr Pro Leu Phe Ile Pro Lys Leu Ala Gly Ser His Cys Ser
1 5 10 15

Gly Ala Lys Gly Gly Lys Lys Ser Asp Gln Ser Asn Cys Ser Leu Glu
20 25 30

Pro Leu Leu Gln Gln Leu Ser Thr Ser Tyr Lys Thr Met Pro Asp Val
35 40 45

Cys Gln Ala Ser Asn Leu Leu Pro Ala Leu Arg Ser Leu Asn Cys Cys
50 55 60

Leu Pro Ser Ser Leu
65

<210> 6718

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

5951

<220>
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 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6718
 Gln Xaa Lys Asp Gly Asp Glu Phe Asn Asn Ser Ile Xaa Gln Leu Phe
 1 5 10 15
 Leu Ala Phe Asn Met Leu Met Asp Arg Pro Leu Glu Glu Ala Val Lys
 20 25 30
 Ile Xaa Gly Ala Xaa Leu Lys Tyr Leu Pro Ser Ile Ile Asn Asp Val
 35 40 45
 Lys Leu Val Phe Asp Pro Val Glu Leu Xaa Val Leu Phe Cys Lys Phe
 50 55 60
 Ile Xaa Ser Ile Pro Asp Asn Gln Xaa Val Xaa Xaa Lys Leu Asn Cys
 65 70 75 80

5952

Met Thr Lys Ile Val Glu Ser Thr Leu Phe Xaa Gln Ser Glu Cys Xaa
 85 90 95

Glu Val Leu Leu Pro Leu Leu Thr Asp Xaa
 100 105

<210> 6719

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6719

Val Ala Val Lys Met Ala Leu Val Ala Ser Val Arg Val Pro Ala Arg
 1 5 10 15

Val Leu Leu Arg Ala Gly Ala Arg Leu Pro Gly Ala Ala Leu Gly Arg
 20 25 30

Thr Glu Arg Ala Ala Gly Gly Gly Asp Gly Ala Arg Arg Phe Gly Ser
 35 40 45

Gln Arg Val Leu Val Glu Pro Asp Ala Gly Ala Gly Val Ala Val Met
 50 55 60

Lys Phe Lys Asn Pro Pro Val Asn Ser Leu Ser Leu Glu Phe Leu Thr
 65 70 75 80

Glu Leu Val Ile Ser Leu Arg Ser Trp Arg Met Thr Arg Ala Ser Ala
 85 90 95

Val Xaa Phe

<210> 6720

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

5953

<400> 6720

Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu
1 5 10 15
Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys Glu Ser Ala Thr
20 25 30
Glu Glu Lys Leu Thr Pro Val Leu Leu Ala Lys Gln Leu Ala Ala Leu
35 40 45
Lys Gln Gln Leu Val Ala Ser His Leu Glu Lys Leu Leu Gly Pro Asp
50 55 60
Ala Ala Ile Asn Leu Thr Asp Pro Asp Gly Ala Leu Ala Lys Arg Leu
65 70 75 80
Leu Leu Gln Leu Glu Ala Thr Lys Asn Ser Lys Gly Gly Ser Gly Gly
85 90 95
Lys Thr Thr Gly Thr Pro Pro Asp Ser Ser Leu Val Thr Tyr Glu Leu
100 105 110
His Ser Arg Pro Glu Gln Asp Lys Val Leu Ser Lys Leu Xaa Lys Val
115 120 125
Gln Asn Leu Lys Ser Ala
130

<210> 6721

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

5954

<400> 6721

Xaa	Asn	Lys	Xaa	Trp	Cys	Ser	Thr	Ala	Val	Ala	Xaa	Ala	Leu	Glu	Leu
1				5					10				15		

Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Gly	Lys	Thr	Ser	Leu
			20					25					30		

Asn	Leu	Ser	Leu	Asn	Leu	Ile	Phe	Glu	Leu	Pro	Ser	Leu	Phe	Met	Val
		35					40					45			

Glu	Gly	Lys	Gln	Phe	Arg	Ser	Leu	Asp	Tyr	Glu	Phe	Cys	Glu	Thr	His
	50					55					60				

Asp	Ser	Thr	Ile	Thr
65				

<210> 6722

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6722

Leu	Leu	Pro	Ser	Glu	Ser	Pro	Met	Ala	His	Trp	Trp	Trp	Trp	Thr	Ala
1				5						10				15	

5955

Cys Gln Ala Cys Asp Ser Ala Ala Ala Gly His Cys Arg Ala His Gln
 20 25 30
 Ala Cys Ala Asp Asp Glu Gln Asp Val Asn Val Ile Ile Ser Thr Tyr
 35 40 45
 Gly Glu Gly Glu Ser Gly Pro Met Gly Asn Ile Met Ile Asp Pro Val
 50 55 60
 Leu Gly Thr Val Gly Phe Gly Ser Gly Leu His Gly Trp Ala Phe Thr
 65 70 75 80
 Leu Lys Gln Phe Ala Glu Met Tyr Val Xaa Lys Phe Xaa Xaa Lys Gly
 85 90 95
 Glu Gly Xaa Leu Gly Pro Xaa Glu Arg Ala Lys Lys Val
 100 105

<210> 6723

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

5956

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> .6723
 Lys Cys Thr Ile Thr Gly Leu Thr Xaa Trp Asp Pro Xaa Cys Glu Ala
 1 5 10 15
 Xaa Asp Arg Gly Asp Lys Phe Val Leu Arg Ser Xaa Tyr Ser Ser Cys
 20 25 30
 Gly Met Xaa Val Ser Xaa Ser Met Ile Ser Asn Glu Xaa Xaa Val Asn
 35 40 45
 Ile Leu
 50

<210> 6724
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6724
 Ala Xaa Ala Trp Ala Pro Pro Pro Leu Ser Pro Trp Ser Ser Cys Lys
 1 5 10 15
 Ser Ala Arg Met Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val
 20 25 30
 Arg His Leu Lys Thr Lys Pro Ser Asp Glu Glu Met Leu Phe Ile Tyr
 35 40 45
 Gly His Tyr Lys Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro

5957

50		55		60
Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu				
65		70		75
				80
Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys				
	85		90	95
Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile				
	100		105	

<210> 6725

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

5958

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6725

Ala	Trp	Cys	Arg	Trp	Leu	Val	Ser	Ala	Thr	Cys	Val	Gly	Thr	Ala	Asp
1				5					10					15	

Arg	Lys	Met	Ser	Ser	Gly	Asn	Ala	Lys	Ile	Gly	His	Pro	Ala	Pro	Asn
			20					25					30		

Phe	Lys	Ala	Thr	Ala	Val	Met	Pro	Asp	Gly	Gln	Phe	Lys	Asp	Ile	Ser
		35					40					45			

Leu	Ser	Asp	Tyr	Lys	Gly	Lys	Tyr	Val	Val	Phe	Phe	Phe	Tyr	Pro	Xaa
	50					55					60				

Xaa	Phe	Thr	Phe	Val	Cys	Xaa	Thr	Glu	Ile	Ile	Ala	Phe	Ser	Asp	Arg
65					70					75					80

Ala	Xaa	Glu	Phe	Lys	Lys	Leu	Asn	Cys	Gln	Val	Ile	Gly	Ala	Ser	Val
				85					90					95	

Asp	Ser	His	Phe	Cys	His	Xaa	Xaa	Trp	Val	Asn	Thr	Pro	Xaa	Lys	Gln
			100					105					110		

Xaa	Xaa	Leu	Gly	Pro	Met	Asn	Ile
		115				120	

<210> 6726

<211> 193

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5959

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6726

Xaa	Ser	Xaa	Ala	Pro	Ala	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro
1				5					10					15	

Arg	Val	Arg	Thr	Xaa	Xaa	Val	Val	Asn	Cys	Phe	Val	Asn	Asn	Asn	Arg
			20					25					30		

Gln	Cys	Gln	Cys	Thr	Ser	Val	Gly	Ala	Gln	Asn	Thr	Val	Ile	Cys	Ser
		35					40					45			

Lys	Leu	Ala	Ala	Lys	Cys	Leu	Val	Met	Lys	Ala	Glu	Met	Asn	Gly	Ser
	50					55					60				

Lys	Leu	Gly	Arg	Arg	Ala	Lys	Pro	Glu	Gly	Ala	Leu	Gln	Asn	Asn	Asp
65					70					75					80

Gly	Leu	Tyr	Asp	Pro	Asp	Cys	Asp	Glu	Ser	Gly	Leu	Phe	Lys	Ala	Lys
				85					90					95	

Gln	Cys	Asn	Gly	Thr	Ser	Met	Cys	Trp	Cys	Val	Asn	Thr	Ala	Gly	Val
			100					105					110		

Arg	Arg	Thr	Asp	Lys	Asp	Thr	Glu	Ile	Thr	Cys	Ser	Glu	Arg	Val	Arg
		115					120					125			

Thr	Tyr	Trp	Ile	Ile	Ile	Glu	Leu	Lys	His	Lys	Ala	Arg	Glu	Lys	Pro
	130					135					140				

Tyr	Asp	Ser	Lys	Ser	Leu	Arg	Thr	Ala	Leu	Gln	Lys	Glu	Ile	Thr	Thr
145					150					155					160

Arg	Tyr	Gln	Leu	Asp	Pro	Lys	Phe	Ile	Thr	Ser	Ile	Leu	Tyr	Glu	Asn
				165					170					175	

5960

Asn Val Ile Thr Ile Asp Leu Val Gln Asn Ser Ser Xaa Lys Asn Ser
 180 185 190

Glu

<210> 6727

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6727

His Val Val Glu Gly Thr Pro Ala Gly Thr Gly Ser Gly Ile Pro Gly
 1 5 10 15

Tyr Leu Ile Tyr Leu Lys Phe Lys Ala Thr Tyr Asp Gly Asn His Asp
 20 25 30

Thr Phe Arg Val Glu Phe Leu Val Val Pro Val Gly Gly Leu Ser Phe
 35 40 45

Leu Val Asn His Asp Phe Ser Pro Leu Glu Ile Leu Trp Thr Phe Ser
 50 55 60

Ile Tyr Leu Glu Ser Val Ala Ile Leu Pro Gln Leu Phe Met Ile Ser
 65 70 75 80

Lys Thr Gly Glu Ala Glu Thr Ile Thr Thr His Tyr Leu Phe Phe Leu
 85 90 95

Gly Leu Tyr Arg Ala Leu Tyr Leu Val Asn Trp Xaa Trp Arg Phe Tyr
 100 105 110

Phe Glu Gly Phe Phe Asp Leu Ile Ala Val Val Ala Gly Val Val Gln
 115 120 125

Thr Ile Leu Tyr Cys Asp Phe Phe Tyr Leu Tyr Ile Gln Lys Tyr Ser
 130 135 140

5961

Arg Glu Arg Ser Ser Val Xaa Gln His
145 150

<210> 6728

<211> 135

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<213> Homo sapiens

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5962

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<400> 6728
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 1 5 10 15

Pro Xaa Ser Trp Pro Pro Pro Val Glu Xaa Val Thr Leu Xaa Asp Leu
 20 25 30

5963

Ser Gln Leu Ile Ile Arg Asn Cys Xaa Ser Phe Asp Ile His Xaa Ile
 35 40 45
 His Val Cys Leu His Leu Xaa Val Leu Leu Gly Phe Pro Ser Asp Gly
 50 55 60
 Pro Leu Val Cys Ala Leu Xaa Xaa Glu Xaa Xaa Leu Arg Leu Pro Pro
 65 70 75 80
 Lys Ala Xaa Ser Pro Phe Ala Thr Pro Ser Pro Lys Ser Asn Gly Xaa
 85 90 95
 Arg Thr Xaa Ser Pro Arg Asp Gly Ala Pro Trp Pro Ile Thr Gly Pro
 100 105 110
 Gly Pro Val Xaa Gly Thr Pro Xaa Phe Xaa Glu Asn Pro Cys Pro Leu
 115 120 125
 Pro Gly Trp Phe Gln Glu Thr
 130 135

<210> 6729

<211> 157

<212> PRT

<213> Homo sapiens

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<400> 6729

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1				5					10					15	

Arg	Leu	His	Leu	Arg	Gly	Ser	Trp	Asp	Arg	Arg	Ser	Val	Ala	Asn	Met
			20					25					30		

Gln	Leu	Phe	Val	Arg	Ala	Gln	Glu	Leu	His	Thr	Phe	Glu	Val	Thr	Gly
		35					40					45			

Gln	Glu	Thr	Val	Ala	Gln	Ile	Lys	Ala	His	Val	Ala	Ser	Leu	Glu	Gly
	50					55					60				

Ile	Ala	Pro	Glu	Asp	Gln	Val	Val	Leu	Leu	Ala	Gly	Ala	Pro	Leu	Glu
65					70					75					80

Asp	Glu	Ala	Thr	Leu	Gly	Gln	Cys	Gly	Val	Glu	Ala	Leu	Thr	Thr	Leu
				85					90					95	

Glu	Val	Ala	Gly	Arg	Met	Leu	Gly	Gly	Lys	Val	His	Gly	Ser	Leu	Ala
			100					105					110		

Arg	Ala	Gly	Lys	Val	Arg	Gly	Gln	Thr	Pro	Lys	Val	Ala	Lys	Gln	Glu
		115					120					125			

Lys	Lys	Lys	Lys	Lys	Thr	Gly	Arg	Ala	Lys	Arg	Arg	Met	Gln	Xaa	Asn
	130					135					140				

Arg	Xaa	Phe	Val	Xaa	Xaa	Xaa	Pro	Pro	Leu	Ala	Arg	Arg
145					150					155		

<210> 6730

<211> 164

<212> PRT

<213> Homo sapiens

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5965

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 Val Xaa Asp Gln Ile Thr Ala Val Arg Lys Phe Ile Xaa Met Gly Phe
 1 5 10 15
 Ile Asp Glu Lys Arg Ile Ala Ile Trp Gly Trp Ser Tyr Gly Gly Tyr
 20 25 30
 Val Ser Ser Leu Ala Leu Ala Ser Gly Thr Gly Leu Phe Lys Cys Gly
 35 40 45
 Ile Ala Val Ala Pro Val Ser Ser Trp Glu Tyr Tyr Ala Ser Val Tyr
 50 55 60
 Thr Glu Arg Phe Met Gly Xaa Pro Xaa Lys Asp Asp Asn Leu Glu His
 65 70 75 80
 Tyr Lys Asn Ser Thr Val Met Ala Arg Ala Glu Tyr Phe Arg Asn Val
 85 90 95
 Xaa Tyr Leu Leu Ile His Gly Thr Ala Asp Asp Asn Val His Phe Gln
 100 105 110
 Asn Ser Ala Gln Ile Ala Lys Ala Leu Val Asn Ala Gln Val Asp Xaa
 115 120 125
 Gln Ala Met Trp Tyr Ser Asp Gln Asn His Gly Leu Ser Gly Leu Ser
 130 135 140
 Thr Asn His Leu Tyr Thr His Met Thr His Phe Leu Lys Gln Cys Phe
 145 150 155 160

5966

Ser Leu Ser Asp

<210> 6731

<211> 26

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6731

Gly Xaa Gly Arg Xaa Gln Cys Xaa Asn Thr Leu Gln Thr Asn Ala Gly

1

5

10

15

Tyr Leu Glu Gln Val Lys Arg Xaa Xaa Xaa

20

25

<210> 6732

<211> 61

5967

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6732

Ser	Ala	Ile	Ala	Ser	Xaa	Arg	Tyr	Lys	Arg	Phe	Xaa	Ile	Arg	Xaa	Arg
1				5				10				15			

Ile	Lys	Met	Gln	Xaa	Asp	Xaa	Val	Arg	Ser	Val	Ile	Gln	Asn	Leu	Thr
			20					25					30		

Glu	Glu	Gln	Ser	Met	Val	Leu	Cys	Ala	Ala	Xaa	Xaa	Lys	Ala	Gly	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5968

35 40 45

Met Xaa Leu His Gln Asp Asn Ser His Thr Pro Val Ser
50 55 60

<210> 6733
<211> 38
<212> PRT
<213> Homo sapiens

<400> 6733
Ala Phe Ile Ala Lys Ser Phe Tyr Asp Leu Ser Ala Ile Ser Leu Asp
1 5 10 15
Gly Glu Lys Val Asp Phe Asn Thr Ser Arg Gly Arg Ala Val Leu Ile
20 25 30
Glu Asn Val Ala Ser Leu
35

<210> 6734
<211> 95
<212> PRT
<213> Homo sapiens

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5969

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<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6734

Ala	Asp	Glu	Pro	Ile	Pro	Xaa	Lys	Glu	Leu	Glu	Arg	Gly	Val	Ala	Gly
1				5					10					15	

Ala	His	Gly	Leu	Leu	Cys	Leu	Leu	Ser	Asp	His	Val	Asp	Lys	Arg	Ile
		20						25					30		

Leu	Asp	Ala	Ala	Xaa	Ala	Asn	Leu	Lys	Val	Ile	Ser	Thr	Met	Xaa	Xaa
		35					40					45			

Gly	Xaa	Asp	His	Leu	Ala	Leu	Asp	Glu	Ile	Lys	Lys	Arg	Gly	Ile	Arg
	50					55					60				

Val	Gly	Tyr	Thr	Pro	Asp	Val	Leu	Thr	Asp	Thr	Thr	Val	Glu	Leu	Ala
65					70					75					80

Val	Xaa	Leu	Leu	Leu	Thr	Thr	Xaa	Arg	Arg	Leu	Xaa	Glu	Ala	Ile	
				85					90					95	

<210> 6735

<211> 32

<212> PRT

<213> Homo sapiens

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5970

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6735

Ala	Ala	Cys	Leu	Ala	Asp	Leu	Ala	Asp	Arg	Xaa	Tyr	Lys	Gln	Ala	Xaa
1				5					10					15	

Lys	Cys	Leu	Leu	Xaa	Xaa	Ser	Phe	Asp	His	Cys	Asp	Phe	Pro	Glu	Leu
			20					25					30		

<210> 6736

<211> 97

<212> PRT

<213> Homo sapiens

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<222> (28)

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5972

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<400> 6736

Cys	Pro	Trp	Pro	Leu	Lys	Leu	Arg	Cys	Gln	Cys	Leu	Gln	Thr	Leu	Gln
1				5					10					15	

Gly	Ile	His	Pro	Lys	Asn	Ile	Gln	Ser	Val	Asn	Xaa	Lys	Ser	Pro	Gly
			20				25						30		

Pro	His	Cys	Ala	Gln	Thr	Glu	Val	Ile	Ala	Thr	Leu	Lys	Asn	Gly	Arg
		35					40					45			

Lys	Xaa	Xaa	Leu	Gln	Ser	Cys	Met	Pro	His	Xaa	Leu	Xaa	Xaa	Leu	Ser
	50					55					60				

Xaa	Lys	Xaa	Val	Xaa	Gln	Trp	Gln	Ile	Gln	Leu	Xaa	Gln	Lys	Gly	Gly
65					70					75					80

Arg	Lys	Val	Xaa	Trp	Trp	Val	Xaa	Ala	Xaa	Arg	Glu	Xaa	Leu	Xaa	Leu
				85					90					95	

Phe

<210> 6737

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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5973

<400> 6737

Ser Pro Gly Pro His Xaa Ala Gln Thr Gly Val Ile Ala Thr Leu Lys
 1 5 10 15

Xaa Gly Arg Lys Ala Cys Leu Asn Pro Ala Xaa Pro Ile Val Met Lys
 20 25 30

Xaa Ile

<210> 6738

<211> 18

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6738

Arg Xaa Val Ala Glu Asp Xaa His Leu Trp Asn Asp Ser Gln Pro Leu
 1 5 10 15

Lys Leu

<210> 6739

<211> 66

<212> PRT

<213> Homo sapiens

<400> 6739

Arg Gly Cys His Ser Asp Phe Leu Pro Glu Leu Leu Leu Ala Pro Ser
 1 5 10 15

Ser Lys Lys Gly Lys Ala Arg Leu Ser Pro Arg Ser Val Gly Val Ile
 20 25 30

Ser Pro Tyr Arg Lys Gln Val Glu Lys Ile Arg Tyr Cys Ile Thr Lys
 35 40 45

5974

Leu Asp Arg Glu Leu Arg Gly Leu Asp Asp Ile Lys Asp Leu Lys Val
50 55 60

Val Gln
65

<210> 6740

<211> 91

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6740

Arg His Glu Glu Phe Ala Arg Tyr Thr Thr Pro Glu Asp Ala Thr Pro
1 5 10 15

Glu Pro Gly Glu Asp Pro Arg Val Thr Arg Ala Lys Tyr Phe Ile Arg
20 25 30

Asp Glu Phe Leu Arg Ile Ser Thr Ala Ser Gly Asp Gly Arg His Tyr
35 40 45

Cys Tyr Pro His Phe Thr Cys Ala Val Asp Thr Glu Asn Ile Arg Arg
50 55 60

Val Phe Asn Asp Cys Arg Asp Ile Ile Gln Arg Met His Leu Arg Gln
65 70 75 80

Tyr Glu Leu Leu Xaa Glu Gly Asn Pro Gln Ile
85 90

<210> 6741

<211> 23

<212> PRT

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<400> 6741
Asp Leu Tyr Lys Lys Xaa Gly Lys Leu Glu Phe Leu Gly Leu Asp Asn
1 5 10 15
Ala Gly Gln Asn Xaa Xaa Xaa
20

<210> 6742
<211> 36
<212> PRT
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<220>
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<220>
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<222> (35)

5976

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6742

Ala	Gln	Gln	Gly	Ala	Pro	Cys	Pro	Ser	Arg	Cys	Gly	Glu	Xaa	Pro	Ala
1				5				10					15		
Cys	His	Trp	Leu	Pro	Pro	Asp	Leu	Thr	Glu	Pro	Pro	Xaa	Ala	Gln	Leu
			20				25					30			
Xaa	Xaa	Xaa	Phe												
			35												

<210> 6743

<211> 80

<212> PRT

<213> Homo sapiens

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<222> (29)

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<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6743

Thr	Arg	Pro	Asp	Lys	Xaa	Val	Lys	Asp	Leu	Val	Ile	Leu	Leu	Tyr	Glu
1				5				10					15		
Thr	Ala	Leu	Leu	Ser	Ser	Gly	Phe	Ser	Leu	Glu	Asp	Xaa	Gln	Thr	His
			20				25					30			
Ala	Asn	Arg	Ile	Tyr	Arg	Met	Ile	Lys	Leu	Gly	Leu	Gly	Ile	Asp	Glu
			35				40					45			
Asp	Asp	Pro	Thr	Ala	Asp	Asp	Thr	Ser	Ala	Ala	Val	Thr	Glu	Glu	Met
			50				55				60				

5977

Pro Pro Leu Glu Gly Asp Asp Xaa Thr Ser Arg Met Glu Xaa Val Asp
 65 70 75 80

<210> 6744
 <211> 83
 <212> PRT
 <213> Homo sapiens

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<400> 6744
 Gly Xaa Ala Ser Pro Leu Gly Pro Ala Ala Leu Arg Asp Ser Glu Glu
 1 5 10 15

Lys Leu Ala Pro Gly Gly Arg Gly Ser Val Asn Met Gly Lys Gly Asp
 20 25 30

Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln
 35 40 45

Thr Cys Arg Glu Arg Ala Gln Glu Arg Asn Thr Arg Thr Leu Pro Ser
 50 55 60

5978

Ile Ser Xaa Glu Phe Ser Xaa Xaa Phe Phe Gly Lys Met Glu Lys Pro
65 70 75 80

Phe Xaa Pro

<210> 6745

<211> 150

<212> PRT

<213> Homo sapiens

<220>

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<220>

<221> SITE

5979

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6745

Leu	Val	Ala	Ala	Leu	Ala	Pro	Met	Ser	Leu	Pro	Asn	Ser	Ser	Cys	Leu
1				5					10					15	

Leu	Glu	Asp	Lys	Met	Cys	Glu	Gly	Asn	Lys	Thr	Thr	Met	Ala	Ser	Pro
			20					25					30		

Gln	Leu	Met	Pro	Leu	Val	Val	Val	Leu	Ser	Thr	Ile	Cys	Leu	Val	Thr
		35					40					45			

Val	Gly	Leu	Asn	Leu	Leu	Val	Leu	Tyr	Ala	Val	Arg	Ser	Glu	Arg	Lys
	50					55					60				

Leu	His	Thr	Val	Gly	Asn	Leu	Tyr	Ile	Val	Ser	Xaa	Ser	Val	Ala	Asp
65					70					75					80

Leu	Ile	Val	Gly	Ala	Val	Val	Met	Pro	Met	Asn	Ile	Leu	Tyr	Leu	Leu
				85					90					95	

Met	Ser	Lys	Trp	Xaa	Xaa	Gly	Arg	Pro	Xaa	Cys	Leu	Phe	Trp	Xaa	Ser
			100					105					110		

Met	Asp	Tyr	Val	Ala	Ser	Thr	Ala	Ser	Ile	Phe	Xaa	Val	Phe	Ile	Leu
		115					120					125			

Cys	Ile	Asp	Arg	Tyr	Arg	Ser	Val	His	Asn	Pro	Ser	Gly	Thr	Leu	Xaa
	130					135					140				

Xaa	Val	Pro	Lys	Pro	Glu
145					150

<210> 6746

<211> 30

<212> PRT

<213> Homo sapiens

<400> 6746

Val	Leu	Glu	Leu	Ala	Gly	Asn	Ala	Ser	Lys	Asp	Leu	Lys	Val	Lys	Arg
1				5					10					15	

Ile	Thr	Pro	Arg	His	Leu	Gln	Leu	Ala	Ile	Arg	Gly	Asp	Glu
			20					25					30

<210> 6747

5980

<211> 128

<212> PRT

<213> Homo sapiens

<220>

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<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6747

Ala	Cys	Arg	Glu	Glu	His	Lys	Lys	Lys	His	Pro	Asp	Ala	Ser	Val	Asn
1				5					10					15	

Phe	Ser	Glu	Phe	Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser
		20					25						30		

Ala	Lys	Glu	Lys	Gly	Lys	Phe	Glu	Asp	Met	Ala	Lys	Ala	Asp	Lys	Ala
	35						40					45			

Arg	Tyr	Glu	Arg	Glu	Met	Lys	Thr	Tyr	Ile	Pro	Pro	Lys	Gly	Glu	Thr
	50					55					60				

Lys	Lys	Lys	Phe	Lys	Asp	Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Ala
65					70					75				80	

Phe	Phe	Leu	Phe	Cys	Ser	Glu	Tyr	Arg	Pro	Lys	Ile	Lys	Gly	Glu	His
			85						90					95	

Pro	Gly	Leu	Ser	Ile	Gly	Asp	Val	Ala	Lys	Lys	Leu	Gly	Glu	Met	Trp
		100						105					110		

Asn	Asn	Thr	Ala	Ala	Xaa	Asp	Lys	Xaa	Leu	Xaa	Lys	Lys	Xaa	Ala	Ala
		115					120					125			

5981

<210> 6748

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6748

Gly Thr Arg Xaa Glu Leu Ile Arg Pro Glu Arg Asn Thr Leu Val Val
1 5 10 15

Ser Phe Val Asp Leu Glu Gln Phe Asn Gln Gln Leu Ser Thr Thr Ile
20 25 30

Gln Glu Glu Phe Tyr Arg Val Tyr Pro Tyr Leu Cys Arg Ala Leu Lys
35 40 45

Thr Phe Val Lys Asp Ser Gly Arg Arg Thr Tyr Lys
50 55 60

<210> 6749

<211> 105

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (18)

5982

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6749

Xaa	Leu	Asn	Arg	Xaa	Ser	Ser	Cys	Ser	Ser	Cys	Xaa	Met	Pro	Cys	Ser
1				5					10					15	

Ile	Xaa	Glu	Arg	Gln	Xaa	Ser	Ser	Gln	Pro	Ala	Leu	Ser	Leu	Ala	Leu
		20						25					30		

Ser	Xaa	Xaa	Xaa	Arg	Gly	Trp	Tyr	Ile	Ser	Ala	Ser	Ala	Xaa	Gly	Asp
		35					40					45			

Trp	Gly	Gly	Trp	Leu	Asn	Ala	Arg	Met	Leu	Gln	Xaa	Cys	Ser	Val	Lys
	50					55					60				

Gly	Leu	Ser	Leu	Asn	Gln	Val	Met	Val	Asp	Asp	Ala	Gly	Val	Pro	Leu
	65				70					75					80

Met	Gly	Ser	Tyr	Ile	Gly	Val	Met	Val	Leu	Leu	Tyr	Lys	Pro	Gly	Leu
				85					90					95	

5983

Thr Asp Glu Pro Glu Ala Val Gly Glu
 100 105

<210> 6750

<211> 121

<212> PRT

<213> Homo sapiens

<400> 6750

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
 1 5 10 15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Arg Tyr Asn Gln
 20 25 30

Glu Thr Pro Met Glu Ile Cys Leu Asn Gly Thr Pro Ala Leu Ala Tyr
 35 40 45

Leu Ala Ser Ala Pro Pro Pro Leu Cys Pro Ser Gly Arg Thr Pro Asp
 50 55 60

Leu Lys Ala Leu Leu Asn Val Val Asp Asn Ala Arg Ser Phe Ile Tyr
 65 70 75 80

Val Ala Val Met Asn Tyr Leu Pro Thr Leu Glu Phe Ser His Leu Arg
 85 90 95

Ala Trp Arg Gln Gly Ala Pro Ala His Gln Leu Leu Gly Thr Leu Gly
 100 105 110

Gly His Pro Cys Gly Pro Ser Cys Ser
 115 120

<210> 6751

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

5984

<400> 6751

Phe Ser Leu Phe Pro Leu Ala Lys Ser Phe Asp Asp Gly Asp Tyr Phe
 1 5 10 15
 Pro Val Trp Gly Thr Cys Leu Gly Phe Glu Glu Leu Leu Met Leu Xaa
 20 25 30
 Ser Gly Glu Cys Leu Leu Thr Ala Thr Gly Xaa Cys Leu Thr Trp Gln
 35 40 45
 Cys Arg
 50

<210> 6752

<211> 165

<212> PRT

<213> Homo sapiens

<400> 6752

Gly Ala Gly Gly Gly Phe Gly Ser Pro Met Asp Ile Phe Asp Met Phe
 1 5 10 15
 Phe Gly Gly Gly Gly Arg Met Gln Arg Glu Arg Arg Gly Lys Asn Val
 20 25 30
 Val His Gln Leu Ser Val Thr Leu Glu Asp Leu Tyr Asn Gly Ala Thr
 35 40 45
 Arg Lys Leu Ala Leu Gln Lys Asn Val Ile Cys Asp Lys Cys Glu Gly
 50 55 60
 Arg Gly Gly Lys Lys Gly Ala Val Glu Cys Cys Pro Asn Cys Arg Gly
 65 70 75 80
 Thr Gly Met Gln Ile Arg Ile His Gln Ile Gly Pro Gly Met Val Gln
 85 90 95
 Gln Ile Gln Ser Val Cys Met Glu Cys Gln Gly His Gly Glu Arg Ile
 100 105 110
 Ser Pro Lys Asp Arg Cys Lys Ser Cys Asn Gly Arg Lys Ile Val Arg
 115 120 125
 Glu Lys Lys Ile Leu Glu Val His Ile Asp Lys Gly Met Lys Asp Gly
 130 135 140
 Gln Lys Ile Thr Phe His Gly Glu Gly Asp Gln Glu Pro Gly Leu Glu
 145 150 155 160

5985

Pro Gly Asp Ile Ile
165

<210> 6753

<211> 57

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

5986

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6753

Xaa	Pro	Thr	Xaa	Pro	Leu	Ser	His	Met	Asn	Ile	Xaa	Gln	Xaa	Phe	Glu
1				5					10					15	

Phe	His	Arg	Met	Ile	Trp	Ala	Asp	Leu	Ser	Cys	Leu	Val	Tyr	Arg	Ala
			20				25						30		

Asp	Thr	Gln	Xaa	Tyr	Gln	Pro	Leu	Xaa	Thr	Lys	Xaa	Gly	Xaa	Lys	Glu
		35					40					45			

Lys	Phe	Tyr	Val	Leu	Leu	Arg	Gly	Xaa
	50					55		

<210> 6754

<211> 28

<212> PRT

<213> Homo sapiens

<400> 6754

Pro	Cys	Lys	Gly	Ser	Ile	Ile	Thr	Cys	Ser	Leu	Ser	Arg	Asp	Leu	Tyr
1				5					10					15	

Glu	Trp	Leu	His	Glu	Gly	Ser	Ala	Val	Ser	Tyr	Phe
			20					25			

<210> 6755

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6755

Asn	Ser	Gly	Arg	Gly	Asp	Leu	Leu	Tyr	Gly	Cys	Tyr	Thr	Arg	Pro	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5987

1	5	10	15
Ile Asn Thr	Glu Ile Val Gln Asn Val Thr Gly Pro Gly Gln Arg Thr		
	20	25	30
Asn Met Gly Ile Leu Phe Met Ser Lys Val Gly Leu Arg Gly Asp Arg			
	35	40	45
Arg Ser Glu Gly Asp Glu Val Leu Asp Pro Leu Arg Gln Ala Leu Asp			
	50	55	60
Ser Ser Met Gln Ser His Asn Leu Tyr Gln His Pro Gln Arg Leu Ala			
65	70	75	80
Phe His Val Ser Ala Pro Val Ala Ser Thr Val Gln Gln Ala Ser Gly			
	85	90	95
Leu Leu Gly Pro Leu Pro His Leu Ser Ser Phe Ala Leu Gln Pro Ala			
	100	105	110
His Ser Leu Leu Pro Pro Leu Gly Ser His Gly Ala Xaa Xaa Ser			
	115	120	125

<210> 6756

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6756

Ser Phe Ala Ser Leu Gln Asn Val Gly Tyr Leu Ala Gly Asp Ala Lys			
1	5	10	15
Ile Leu Asn Asn Ile Asn Phe Ser Leu Arg Ala Gly Glu Phe Lys Leu			
	20	25	30
Ile Thr Gly Pro Ser Gly Cys Gly Lys Ser Thr Leu Leu Lys Ile Val			
	35	40	45
Ala Ser Leu Ile Ser Pro Thr Ser Gly Thr Xaa Thr Val			
	50	55	60

<210> 6757

5988

<211> 57

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6757

Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ser Phe Ala Xaa Met

1

5

10

15

Glu Val Leu Xaa Trp Thr His Xaa Lys Glu Gln Leu Glu Thr Leu Arg

20

25

30

5989

Lys Leu Xaa Arg Arg Glu Val Ala Xaa Gln Trp Leu Arg Pro Ala Glu
 35 40 45

Xaa Asp His Leu Xaa Asp Ser Leu Xaa
 50 55

<210> 6758

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6758

Xaa Cys Phe Thr Phe Xaa Gly Ile Phe Xaa Ala Ile Ile Leu Phe Pro
 1 5 10 15

Phe Gly Phe Ile Cys Cys Phe Ala Leu Arg Lys Arg Arg Cys Pro Asn
 20 25 30

Cys Gly Xaa Thr Phe Ala
 35

<210> 6759

<211> 43

<212> PRT

<213> Homo sapiens

<220>

5990

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6759

Thr	Ile	Phe	Xaa	Gly	His	Ser	Thr	Val	Xaa	Lys	Arg	Cys	Asp	Trp	His
1				5				10						15	

Leu	Leu	His	Asn	Ser	Leu	Tyr	Gly	Ser	Val	Ala	Asp	Asp	Gln	Asn	Leu
			20					25					30		

Xaa	Tyr	Gly	Thr	Gln	Xaa	Pro	Ile	Gln	Leu	Gln
		35					40			

<210> 6760

<211> 87

<212> PRT

<213> Homo sapiens

<400> 6760

Gly	Arg	Phe	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg
1				5				10						15	

Pro	Glu	Asp	Ala	Glu	Asp	Arg	Pro	Pro	Glu	Leu	Leu	Phe	Ile	His	Gly
			20					25					30		

Gly	His	Thr	Ala	Lys	Ile	Ser	Asp	Phe	Ser	Trp	Asn	Pro	Asn	Glu	Pro
			35				40					45			

Trp	Val	Ile	Cys	Ser	Val	Ser	Glu	Asp	Asn	Ile	Met	Gln	Ile	Trp	Gln
	50					55					60				

Met	Ala	Glu	Asn	Ile	Tyr	Asn	Asp	Glu	Glu	Ser	Asp	Val	Thr	Thr	Ser
	65					70				75					80

5991

Glu Leu Glu Gly Gln Gly Ser
85

<210> 6761

<211> 151

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (95)

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<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

5992

<220>
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6761
 Gly Asn Xaa Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg
 1 5 10 15
 Pro Thr Arg Pro Pro Ser Trp Asp Leu Arg Ala Ser Phe Ser Xaa Leu
 20 25 30
 Leu Gln Asp Gly Val Asn Arg His Pro Arg Pro Pro Gly Xaa Ser
 35 40 45
 Pro Arg Ser Leu Cys Arg Xaa Ala Xaa Gly Ala Val Arg Ser Arg Gly
 50 55 60
 Glu Lys Ala Arg Xaa Val Ser Glu Asp Leu Cys Lys Val Ser Gly Tyr
 65 70 75 80
 Ser Phe Thr Ser Tyr Trp Ile Lys Trp Val Arg Gln Met Pro Xaa Lys
 85 90 95
 Gly Leu Glu Xaa Met Ala Arg Ile Asp Pro Xaa Asp Ser Tyr Thr Asn
 100 105 110
 Tyr Ser Pro Ser Phe Gln Gly His Val Thr Ile Xaa Ala Asp Lys Xaa
 115 120 125
 Ile Ser Thr Ala Thr Cys Ser Gly Ala Ala Glu Gly Leu Gly His Arg

5993

130 135 140
 His Xaa Leu Leu Xaa Gln Thr
 145 150

<210> 6762
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6762
 Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Xaa
 1 5 10 15
 Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
 20 25 30
 Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
 35 40 45
 Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
 50 55 60
 Val Tyr Ala Cys Xaa Val Thr His Gln Gly Leu Xaa Ser Pro Val Xaa
 65 70 75 80

5994

<210> 6763

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6763

Leu	Leu	Thr	Met	Arg	Leu	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Met	Leu
1				5					10					15	

Trp	Val	Ser	Gly	Ser	Ser	Gly	Asn	Ile	Val	Met	Thr	Gln	Ser	Pro	Val
			20					25					30		

Ser	Leu	Tyr	Val	Thr	Pro	Gly	Glu	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ser
		35					40					45			

Ser	Gln	Thr	Leu	Leu	His	Ser	Asn	Gly	Tyr	Asn	Tyr	Leu	Asp	Trp	Tyr
		50					55				60				

Leu	Gln	Lys	Pro	Gly	Gln	Ser	Pro	Gln	Leu	Leu	Ile	Tyr	Leu	Gly	Ser
65					70					75					80

Asn	Arg	Ala	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly
				85					90					95	

5995

Thr Asp Phe Thr Leu Lys Ile Thr Arg Val Xaa Ala Xaa Asp Val Gly
 100 105 110

Gly Tyr Tyr Tyr Trp Met Gln Ala Xaa Gln Ile His Ser Xaa Xaa Ala
 115 120 125

Leu Asp Gln
 130

<210> 6764

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6764

Ser Thr Met Ala Trp Ala Pro Leu Leu Leu Thr Leu Leu Ala His Cys
 1 5 10 15

Thr Gly Ser Trp Ala Ile Phe Met Leu Thr Gln Pro His Ser Val Ser
 20 25 30

Glu Ser Pro Gly Lys Thr Val Thr Ile Ser Cys Thr Arg Ser Xaa Gly
 35 40 45

Lys His Cys Gln Gln Leu Cys Ala Val Val Pro Ala Ala Pro Gly Xaa
 50 55 60

Val Pro Pro Pro Leu
 65

<210> 6765

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5996

<222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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 <222> (44)
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<220>
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 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6765
 Gly Xaa Ala Arg Gly Asn His Gly Asn Pro Ser Xaa Xaa Leu Phe Leu
 1 5 10 15
 Leu Leu Leu Trp Leu Pro Asp Thr Thr Gly Glu Asn Xaa Leu Thr His
 20 25 30
 Phe Pro Gly Thr Leu Xaa Phe Phe Pro Gly Glu Xaa Ala Thr Leu Ser

5997

35 40 45
 Cys Trp Ala Ser Xaa Ser Val Tyr Ser Ser Tyr Leu Ala Trp Tyr Gln
 50 55 60
 Gln Lys Pro Gly Gln Xaa Pro Arg Xaa Leu Ile Tyr Gly Ala Ser Ser
 65 70 75 80
 Arg

<210> 6766
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6766
 Arg Xaa Asp Asp Pro Ser His Ser Ser Ala Ala Ser Val Gly Asp Arg
 1 5 10 15

Val Thr Ile Thr Cys Pro Gly Xaa Ser Glu His Xaa Gln Arg Cys Lys
 20 25 30

Leu Asp Gln Gln Thr Ile Trp Lys Ala Leu Xaa Ser
 35 40

<210> 6767

5998

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6767

Gln	Ser	Ser	Thr	Leu	Gly	Asn	Val	Ser	Thr	Met	Ala	Trp	Ala	Leu	Leu
1				5				10					15		

Leu	Leu	Ser	Leu	Leu	Thr	Gln	Gly	Thr	Gly	Ser	Trp	Ala	Gln	Ser	Ala
			20					25					30		

Leu	Thr	Gln	Pro	Arg	Ser	Val	Ser	Gly	Ser	Pro	Gly	Gln	Xaa	Val	Thr
			35				40					45			

Ile	Ser	Cys	Thr	Gly	Asn	Gln	Gln
	50					55	

<210> 6768

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6768

Ile	Arg	Gln	Ser	Arg	Arg	Gln	Arg	Ser	Arg	Val	Val	Ser	Thr	Met	Ala
1				5				10					15		

Trp	Xaa	Leu	Leu	Phe	Leu	Thr	Leu	Leu	Thr	Gln	Gly	Thr	Gly	Ser	Trp
			20					25					30		

Ala	Gln	Ser	Ala	Leu	Thr	Gln	Xaa	Ala	Ser	Val	Ser	Gly	Ser	Pro	Gly
			35				40					45			

Thr	Val	Asp	His	His	Leu	Leu	His	Trp	Glu	Gln	Val	Val	Thr	Leu	Val
	50					55					60				

5999

Ala Ile Asn Tyr Val Phe Trp Tyr His Gln
 65 70

<210> 6769

<211> 169

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6769

Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro
 1 5 10 15

Thr Arg Pro Leu Phe Val Val Ala Ala Ala Thr Gly Val Leu Ser Xaa
 20 25 30

Leu Gln Leu Val Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Ser Ser
 35 40 45

Val Asn Ile Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Arg Tyr Ala
 50 55 60

Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val Gly
 65 70 75 80

6000

Gly Ile Thr Pro Val Tyr Gly Thr Thr His Tyr Ala Asp Asn Leu Arg
 85 90 95
 Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Asn Ile Ala Tyr Met
 100 105 110
 Glu Leu Lys Ser Leu Lys Phe Glu Asp Thr Ala Met Tyr Phe Cys Ala
 115 120 125
 Arg Val His Asn Ser Tyr Asp Ser Ser Ala Leu Asn Trp Xaa Asp Pro
 130 135 140
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Xaa Xaa Thr Lys Gly
 145 150 155 160
 Pro Ser Val Xaa Pro Leu Ala Pro Phe
 165

<210> 6770
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 6770
 Asp Ser Ser Thr Ser Tyr Ser Ala Ser Phe Arg Gly His Val Ile Ile
 1 5 10 15
 Ser Ala Asp Asn Ser Ile Ser Thr Ala Tyr Leu Gln Trp Ser Ser Leu
 20 25 30
 Lys Ala Ser Asp Ser Ala Ile Tyr Phe Cys Ala Arg Pro Ile Ala Ser
 35 40 45
 Val Lys Ala Arg Leu Val Ala Pro Ser Lys Asp Tyr Trp Gly Gln Gly
 50 55 60
 Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
 65 70 75 80
 Pro Leu

<210> 6771
 <211> 141
 <212> PRT
 <213> Homo sapiens

6001

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6771

Gly	Ser	Pro	Ser	Xaa	Glu	Ile	Pro	Arg	Ser	Phe	His	Leu	Val	Ile	Ser
1				5				10					15		

Thr	Glu	His	Arg	Pro	Pro	Thr	Met	Glu	Phe	Gly	Leu	Ser	Trp	Val	Phe
			20					25					30		

Leu	Val	Ala	Ile	Leu	Lys	Gly	Val	Gln	Cys	Glu	Val	Arg	Leu	Val	Glu
		35					40					45			

Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Arg	Ser	Leu	Arg	Leu	Ser	Cys
	50					55					60				

Thr	Thr	Pro	Gly	Phe	Thr	Phe	Asp	Asp	Tyr	Ala	Met	Asn	Trp	Phe	Arg
65					70					75					80

Gln	Ala	Pro	Gly	Arg	Gly	Leu	Glu	Trp	Val	Gly	Phe	Ile	Arg	Ser	Lys
				85					90					95	

Thr	Tyr	Gly	Gly	Thr	Thr	Gln	Tyr	Ala	Ala	Ala	Val	Lys	Gly	Arg	Phe
			100					105					110		

Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Ser	Ile	Val	Tyr	Leu	Gln	Met	Asn
		115					120					125			

Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Arg	Val	Leu	Leu	Xaa
	130					135					140	

<210> 6772

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

6002

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6772

Ile	Arg	Xaa	Ser	Ser	Thr	Pro	Tyr	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Leu
1				5					10					15	

Glu	Ile	Lys	Gly	Thr	Leu	Ala	Ala	Pro	Ser	Val	Phe	Ile	Leu	Pro	Pro
			20					25					30		

Ser	Asp	Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Xaa	Val	Cys	Leu	Leu
		35					40					45			

Asn	Asn	Phe	Tyr	Pro	Xaa	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn
	50					55					60				

Ala	Leu	Gln	Ser	Gly	Asn	Phe	Gln	Val	Glu	Cys	His	Arg	Ala	Gly	Gln
65					70					75					80

Gln	Gly	Gln	His	Leu	Gln	Pro	Gln	Gln	His	Pro	Asp	Xaa	Glu	Gln	Ser
				85					90					95	

Arg	Leu	Arg	Gly	Asn	Thr	Lys	Phe	Tyr	Gly	Cys	Glu	Phe	Thr	Xaa	Gln
			100					105					110		

Gly	Leu	Arg	Leu	Ala	Arg
					115

<210> 6773
 <211> 147
 <212> PRT
 <213> Homo sapiens

6003

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6773

Phe	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Xaa	Glu	Leu	Leu
1				5					10					15	

Ile	Tyr	Ala	Ala	Ser	Ala	Leu	Arg	Gly	Gly	Val	Pro	Ser	Arg	Phe	Ser
			20					25					30		

Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln
		35					40					45			

Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Phe	Cys	Gln	Gln	Ser	Asp	Asp	Phe	Pro
	50					55					60				

Phe	Ser	Phe	Gly	Gln	Gly	Thr	Arg	Leu	Glu	Met	Lys	Arg	Thr	Val	Ala
65					70					75					80

Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Glu	Gln	Leu	Lys	Ser
				85					90					95	

Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn	Phe	Tyr	Pro	Arg	Glu
			100					105					110		

Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu	Gln	Ser	Gly	Thr	Pro
		115					120					125			

Arg	Arg	Val	Ser	Gln	Ser	Arg	Thr	Ala	Arg	Thr	Ala	Pro	Thr	Ala	Ser
	130					135						140			

Ala	Ala	Pro
145		

<210> 6774

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6004

<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)

6005

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6774

Asn	Ser	Ala	Glu	Xaa	Asn	Pro	Ser	Ala	Phe	Phe	Ser	Ser	Cys	Arg	Ala
1				5					10					15	

Ser	Gln	Ser	Val	Ser	Thr	Arg	Phe	Val	Ala	Trp	Tyr	Gln	Gln	Lys	Leu
			20					25					30		

Gly	Gln	Ala	Pro	Arg	Val	Leu	Ile	Tyr	Ser	Thr	Ser	Ser	Arg	Ala	Pro
		35					40					45			

Gly	Ile	Pro	Arg	Thr	Gly	Ser	Val	Ala	Val	Gly	Leu	Gly	Thr	Glu	Leu
	50					55					60				

Ser	Leu	Leu	Gln	His	Gln	Arg	Ala	Trp	Glu	Pro	Glu	Asp	Phe	Ala	Val
	65				70					75					80

Leu	Xaa	Leu	Cys	Asn	Ser	Tyr	Arg	Arg	Ala	Leu	Gly	His	Phe	Ser	Gly
				85					90					95	

6006

Gly Gly Asp Pro Arg Trp Glu Ile Glu Thr Glu Leu Trp Ala Cys Asn
 100 105 110

His Xaa Val Phe Xaa Xaa Xaa Pro Ala Ile Leu Ile Gly Ala Xaa Trp
 115 120 125

Lys Xaa Leu Gly Leu Ala Leu Xaa Xaa Xaa Xaa Pro Xaa Gly Lys Asn
 130 135 140

Phe Phe Phe Pro Gly Xaa Gly Gln Xaa Xaa Lys Gly Arg Xaa Xaa
 145 150 155

<210> 6775

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6775

Ser Thr Met Ala Trp Ala Pro Leu Leu Leu Thr Leu Leu Ala His Cys
 1 5 10 15

Thr Gly Ser Trp Ala Ile Phe Met Leu Thr Gln Pro His Ser Val Ser
 20 25 30

Glu Pro Pro Gly Lys Thr Val Thr Ile Ser Cys Thr Arg Ser Ser Gly
 35 40 45

Ser Ile Ala Ser Asn Tyr Val Gln Trp Phe Gln Gln Arg Pro Gly Ser
 50 55 60

Ser Pro Thr Thr Val Ile Tyr Glu Asp Asn Gln Arg Pro Ser Gly Val
 65 70 75 80

Pro Asp Arg Phe Ser Gly Ser Ile Asp Ser Ser Ser Asn Ser Ala Ser
 85 90 95

Leu Thr Ile Ser Gly Leu Lys Thr Glu Asp Glu Ala Asp Tyr Tyr Cys
 100 105 110

Gln Ser Tyr Asp Ser Ser Asn Val Val Phe Gly Gly Gly Thr Lys Leu
 115 120 125

Thr Val Leu Gly Gln Ala Gln Gly Leu Pro Leu Gly His Ser Val Pro
 130 135 140

6007

Ala Leu Leu Leu Xaa Ser Phe Lys Pro Thr Arg Pro His Trp Cys Val
145 150 155 160

Ser

<210> 6776

<211> 64

<212> PRT

<213> Homo sapiens

<400> 6776

Ala Pro Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
1 5 10 15

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
20 25 30

Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
35 40 45

Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His
50 55 60

<210> 6777

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

6008

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6777
 Glu Ala Ala Leu Val Val Pro Gln Pro Trp Pro Gly Pro Phe Ser Ser
 1 5 10 15
 Ser Ala Ser Ser Leu Thr Ala Gln Ala Ser Val Thr Ser Tyr Val Leu
 20 25 30
 Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln Thr Ala Arg Ile
 35 40 45
 Thr Cys Gly Ala Asn Asn Ile Gly Ile Lys Asn Val His Trp Tyr Gln
 50 55 60
 Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr Asp Asp Lys Arg
 65 70 75 80
 Pro Ala Leu Xaa Asp Pro Xaa Arg Ile Phe Trp Phe Gln Leu Leu Gly
 85 90 95
 Thr Xaa Ala Thr Leu Thr Ile Asn Xaa Val Glu Pro Gly Met Lys Pro
 100 105 110
 Thr Ile Thr Val Arg Cys Gly Ile Leu Val Xaa Pro Arg Ser Val Arg
 115 120 125
 Arg Xaa Asp Gln Thr Tyr Arg Leu Ile Asn Pro Arg Leu Pro Leu Gly
 130 135 140
 His Ser Val Pro Pro Phe Xaa
 145 150

6009

<210> 6778

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6778

Ala	Gly	Gly	Lys	Leu	Cys	Arg	Asn	Ile	Ser	Thr	Met	Ala	Trp	Ala	Leu
1				5					10					15	

Leu	Leu	Leu	Thr	Leu	Leu	Thr	Gln	Gly	Thr	Gly	Ser	Trp	Ala	Gln	Ser
			20					25					30		

Ala	Leu	Thr	Gln	Pro	Pro	Ser	Val	Ser	Gly	Ser	Pro	Gly	Gln	Ser	Val
		35					40					45			

Thr	Ile	Ser	Cys	Thr	Gly	Thr	Ser	Ser	Asp	Val	Gly	Gly	Tyr	Asn	Arg
	50					55					60				

Val	Ser	Trp	Tyr	Gln	Gln	Ser	Pro	Gly	Thr	Ala	Pro	Lys	Leu	Met	Ile
65					70					75					80

Tyr	Glu	Val	Ser	Asn	Arg	Pro	Ser	Arg	Val	Pro	Asp	Arg	Phe	Ser	Gly
				85					90					95	

Ser	Lys	Ser	Gly	Asn	Thr	Gly	Phe	Leu	Asp	Ile	Phe	Trp	Ala	Pro	Ser
			100					105					110		

Leu	Xaa	Thr	Lys	Gly	Glu	Leu	Leu	Leu	Xaa	Ala	Arg	Ile	Lys	Xaa	Ser
		115					120					125			

Lys	Phe	Phe	Phe	Leu	Phe
					130

6010

<210> 6779
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6779
Gly Thr Xaa Leu Xaa Trp Phe His Gln Arg Pro Gly Gln Xaa Pro Arg
1 5 10 15
Arg Leu Leu Tyr Lys Ile Ser Asn Arg Glu Leu Trp Arg Pro Xaa Gln
20 25 30
Ile Xaa Arg Gln Trp Gly Gln Ala Leu Ile Cys Thr Leu Lys Ile Ser
35 40 45
Arg Val Glu Ala Glu Asp Val Gly Ile Tyr
50 55

<210> 6780
<211> 36
<212> PRT
<213> Homo sapiens

6011

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6780
His Lys Xaa Val Val Xaa Val Val Gln Tyr Ser Cys Ser Pro Gly Asp
1 5 10 15
Pro Val Val Val Glu Arg Pro Pro Pro Arg Trp Ser Cys Gln Leu Phe
20 25 30
Val Pro Xaa Lys
35

<210> 6781
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)

6012

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6781

Leu	Gly	Phe	Phe	Xaa	Phe	Phe	Phe	Xaa	Glu	Met	Glu	Xaa	Val	Pro	Asn
1				5					10					15	

Ser	Cys	Ser	Pro	Gly	Asp	Pro	Leu	Val	Leu	Glu	Xaa	Pro	Pro	Pro	Arg
			20					25					30		

Trp	Arg	Xaa	Ser	Phe	Gly	Ser	Leu	Leu	Glu	Arg	Xaa	Gln	Ser
		35					40					45	

<210> 6782

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6782

Xaa	Val	Pro	Asn	Ser	Cys	Ser	Pro	Gly	Asp	Pro	Leu	Val	Leu	Glu	Arg
1				5					10					15	

Pro	Pro	Xaa	Arg	Trp	Ser	Ser	Ser	Phe	Ile	Pro	Xaa	Glu	Gly	Val	Asn
			20					25					30		

6013

Ser Lys Lys
35

<210> 6783

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6783

Xaa	Asp	Leu	Val	Pro	Asn	Ser	Cys	Ser	Pro	Gly	Asp	Pro	Leu	Val	Leu
1				5					10				15		

Glu	Arg	Pro	Pro	Pro	Arg	Trp	Xaa	Pro	Ala	Phe	Val	Leu	Leu	Glu	Arg
			20					25					30		

<210> 6784

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

6014

<400> 6784

Gly His Gly Leu Xaa Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro
1 5 10 15

Leu Val Leu Glu Arg Pro Pro Pro Arg Trp Ser Ser Xaa Ala Leu Phe
20 25 30

Pro Ile Ile Glu Xaa
35

<210> 6785

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6785

His Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu
1 5 10 15

Glu Arg Pro Pro Pro Arg Trp Ser Ser Xaa Xaa Cys Ser Gln Xaa Leu
20 25 30

Arg Xaa Asn Trp
35

<210> 6786

6015

<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6786
Val Val Ser Val Trp Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp
1 5 10 15
Pro Leu Val Leu Glu Arg Pro Pro Pro Arg Trp Ser Xaa Ser Phe Val
20 25 30
Pro Leu Val Arg
35

<210> 6787
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6787
Leu Pro Leu Gln Ala Thr Cys Lys Ile Leu Gly Ala Lys Asp Gly Leu
1 5 10 15
Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro
20 25 30
Pro Pro Arg Trp Ser Thr Ser Phe Xaa Pro Leu
35 40

<210> 6788
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

6016

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6788

Xaa	Leu	Phe	Phe	Phe	Phe	Phe	Phe	Leu	Xaa	Glu	Asn	Asp	Phe	Ile	Leu
1				5					10					15	

Ile	Asn	Leu	Val	Pro	Asn	Ser	Cys	Ser	Pro	Gly	Asp	Pro	Leu	Val	Leu
			20					25					30		

Glu	Arg	Ala	Ser	Pro	Arg	Trp	Gly	Pro	Xaa	Phe	Val	Ala	Xaa	Gly	Ala
		35					40					45			

Gly

<210> 6789

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6789

Thr	Arg	Pro	Glu	Phe	Leu	Gln	Pro	Gly	Gly	Ser	Thr	Ser	Phe	Arg	Ala
1				5					10					15	

Pro	Pro	Arg	Arg	Trp	Ser	Ser	Ser	Phe	Ile	Pro	Arg	Glu	Gly	Xaa
			20					25					30	

6017

<210> 6790

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6790

Xaa	Glu	Asp	Leu	Arg	Leu	Pro	Glu	Gly	Asp	Leu	Gly	Met	Glu	Ile	Glu
1				5					10					15	

Gln	Lys	Tyr	Asp	Cys	Gly	Glu	Glu	Ile	Leu	Ile	Thr	Val	Leu	Ser	Ala
			20					25					30		

Met	Thr	Glu	Glu	Ala	Ala	Val	Ala	Ile	Lys	Ala	Met	Ala	Lys
			35				40					45	

<210> 6791

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6791

Glu	Lys	Met	Val	Leu	Leu	Thr	Ala	Val	Leu	Leu	Leu	Ala	Ala	Tyr
1				5					10				15	

6018

Ala Gly Pro Ala Gln Ser Leu Gly Ser Phe Val His Cys Glu Pro Cys
 20 25 30

Asp Glu Lys Ala Leu Ser Met Cys Pro Pro Ser Pro Leu Gly Cys Glu
 35 40 45

Leu Val Lys Glu Pro Gly Cys Gly Cys Cys Met Thr Cys Ala Leu Ala
 50 55 60

Glu Gly Gln Ser Cys Gly Val Tyr Thr Glu Arg Xaa Ala Gln Gly Leu
 65 70 75 80

Arg Xaa Leu Pro Arg Gln Asp Glu Glu Lys Pro Leu His Ala Leu Leu
 85 90 95

His Gly Arg Gly Val Xaa Leu Asn Xaa Lys Ser Tyr
 100 105

<210> 6792
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 6792
 Gln Arg Pro Cys Leu Trp Lys Val Leu Leu Gln Ala Lys Gly Ser His
 1 5 10 15

Pro Ser Arg Leu Gln Thr Thr Asp Asn Leu Leu Pro Met Ser Pro Glu
 20 25 30

Glu Phe Asp Glu Val Ser Arg Ile Val Gly Ser Val Glu Phe Asp Ser
 35 40 45

Met Met Asn Thr Val
 50

<210> 6793
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (72)
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6019

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6793

Ala	Leu	His	Ser	Leu	Cys	Gly	Ala	Arg	Pro	Pro	Val	Pro	Val	Met	Ala
1				5					10					15	

Met	Leu	Arg	Val	Gln	Pro	Glu	Ala	Gln	Ala	Lys	Val	Asp	Val	Phe	Arg
			20					25					30		

Glu	Asp	Leu	Cys	Thr	Lys	Thr	Glu	Asn	Leu	Leu	Gly	Ser	Tyr	Phe	Pro
		35					40					45			

Lys	Lys	Ile	Ser	Glu	Leu	Asp	Ala	Phe	Leu	Lys	Glu	Pro	Ala	Leu	Asn
	50					55					60				

Glu	Ala	Asn	Leu	Ser	Asn	Leu	Xaa	Ala	Xaa	Trp	Thr	Ser	Gln	Cys	Leu
65					70					75					80

Ile	Gln	Ser	Arg	Arg	Lys	Arg	Lys	Arg	Asn	Gly	Arg	Asn	Xaa	Xaa	Xaa
				85					90					95	

Lys Glu

<210> 6794

<211> 136

<212> PRT

<213> Homo sapiens

<220>

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<222> (101)

6020

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6794

Tyr	Thr	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly
1				5					10					15	

Ser	Thr	His	Ala	Ser	Ala	Ser	Gly	His	His	Ser	Gly	Pro	Ser	Leu	His
			20					25					30		

Ala	Glu	Asn	His	Thr	Ser	Gln	Thr	Phe	Thr	Gln	His	Phe	Leu	Pro	Gln
		35					40					45			

Ser	Gln	Lys	Met	His	Lys	Glu	Glu	His	Glu	Val	Ala	Val	Leu	Gly	Ala
	50					55					60				

Pro	Pro	Ser	Thr	Ile	Leu	Pro	Arg	Ser	Thr	Val	Ile	Asn	Ile	His	Ser
65					70					75					80

Glu	Thr	Ser	Val	Pro	Asp	His	Val	Val	Trp	Ser	Leu	Phe	Asn	Thr	Leu
				85					90					95	

Phe	Leu	Asn	Trp	Xaa	Cys	Leu	Gly	Phe	Ile	Ala	Phe	Ala	Tyr	Ser	Val
			100					105					110		

Lys	Ser	Arg	Asp	Arg	Lys	Met	Val	Gly	Xaa	Arg	Asp	Arg	Gly	Pro	Xaa
		115					120					125			

Leu	Cys	Leu	His	Arg	Ser	Xaa	Ala
	130					135	

<210> 6795

<211> 29

<212> PRT

<213> Homo sapiens

6021

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6795
Xaa Met Xaa Ile Ser Lys Pro His Phe Glu Lys Leu Phe Pro Ser Gln
1 5 10 15
Cys Tyr Leu Cys Leu Leu Leu Asn Asn His Phe Leu Thr
20 25

<210> 6796
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6796
Phe His Leu Ile Lys Ser Leu Lys Tyr Gln Thr Met Arg Xaa His Glu
1 5 10 15
Xaa Thr Trp Ala Xaa Asn Leu Arg Tyr Xaa Lys Pro Asp Leu Asp Cys
20 25 30

6022

Met Ala Gly Leu Arg Arg Phe Thr Leu Glu Leu Gln His Thr Tyr Trp
35 40 45

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<210> 6797
<211> 60
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 6797
Ala Met Arg Cys Met Pro Val Trp Asn Gly Gln Thr Leu Thr Phe Val
1 5 10 15

Gln Asp Arg Pro Ser Asp Lys Thr Trp Thr Tyr Asn Arg Xaa Asn Val
20 25 30

Val	Met	Pro	Asp	Asp	Gly	Ala	Pro	Phe	Arg	Tyr	Ser	Phe	Ser	Ala	Leu
		35					40					45			

Lys Asp Arg His Asn Ala Leu Xaa Gly Glu Leu Asp
50 55 60

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<210> 6798
<211> 109
<212> PRT
<213> Homo sapiens
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<400> 6798
Leu Ser Arg Ala Leu Ala Val Glu Leu Leu Asp Lys Val Asn Asn Pro
1 5 10 15

Asp Asn His Ala His Tyr Thr Glu Ala Asp Asp Asp Asp Phe Glu Pro
20 25 30

6023

His Ala Ile Ile Arg His Thr Ile Arg Ser Thr Asn Arg Asn Ala Arg
 35 40 45
 Ala Glu Arg Thr Ala Ser Glu Ile Asn Phe Asp Lys Leu Gln Phe Glu
 50 55 60
 Pro Pro Leu Arg Lys Glu Thr Glu Ala Arg Asp Glu Met Gly Leu Ser
 65 70 75 80
 Ser Arg Pro Lys Phe His Val Tyr Ser Gly Ile Leu Leu Leu Met Val
 85 90 95
 Gln Ile Leu Ala Asn His Leu Lys Thr Leu Gln Tyr His
 100 105

<210> 6799
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 6799
 Phe Asn Leu Ile Ser Pro Ser Ile Ser Arg Tyr Cys Lys Lys Pro Leu
 1 5 10 15
 Thr Ser Asn Cys Thr Ile Gln Ile Ala Thr Pro Gly Lys Gly Lys Lys
 20 25 30
 Ser Thr Pro Lys Pro Ile Pro Ile Leu Ala Ala Gly Phe Cys Ser Asp
 35 40 45
 Lys Met Ser Leu Leu Leu Val Tyr Gly Ser Trp Phe Gln Pro Thr Ile
 50 55 60
 Glu Arg Val Val Arg
 65

<210> 6800
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

6024

<221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6800
 Ala Lys Gly Glu Leu Gln Leu Xaa Met Leu Glu Ile Val His Pro Xaa
 1 5 10 15

 Xaa Val Glu Lys His Tyr Arg Glu Met Glu Glu Lys Leu Ala Leu Ile
 20 25 30

 Ile Gln Lys His Trp Lys Gly Ser Gly Lys Gly Lys Ile Xaa Thr Asn
 35 40 45

 Xaa Ser Xaa Leu Leu Xaa
 50

 <210> 6801
 <211> 42
 <212> PRT
 <213> Homo sapiens

 <400> 6801
 Lys Ile Leu Phe Val Cys Ser Val Lys Leu Ser Leu Tyr Val Cys Leu

6025

1 5 10 15
 Leu Gln Leu Ser Pro Phe Val Tyr Ser Glu Phe Ala Arg Glu Arg Asn
 20 25 30
 Leu His Val Ser Leu Leu Asp Pro Thr Leu
 35 40

 <210> 6802
 <211> 174
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6802
 Ser Asp Gln Asp Leu Asn Arg Met Arg Ser Glu Leu Leu Val Pro Gly
 1 5 10 15
 Ser Gln Leu Ile Leu Gly Pro His Glu Ser Lys Ile Pro Ile Leu Leu
 20 25 30
 Ile Gln Gln Pro Gly Lys Val Thr Gly Glu Asp Arg Leu Gly Trp Gly
 35 40 45
 Ser Gly Trp Asp Val Leu Leu Pro Lys Gly Trp Gly Met Ala Phe Trp
 50 55 60
 Ile Pro Phe Ile Tyr Arg Gly Val Arg Val Gly Gly Leu Lys Glu Ser
 65 70 75 80
 Ala Val His Ser Gln Tyr Lys Arg Ser Pro Asn Val Pro Gly Asp Phe
 85 90 95
 Pro Asp Cys Pro Ala Gly Met Leu Phe Ala Glu Glu Gln Ala Lys Asn
 100 105 110
 Leu Leu Glu Lys Tyr Lys Arg Arg Pro Pro Ala Lys Arg Pro Asn Tyr
 115 120 125
 Val Lys Leu Gly Thr Leu Ala Pro Phe Cys Cys Pro Trp Glu Gln Leu

6026

130 135 140
 Thr Gln Asp Trp Glu Ser Arg Val Gln Ala Tyr Glu Glu Pro Ser Val
 145 150 155 160
 Ala Ser Ser Pro Asn Gly Lys Xaa Ser Asp Leu Xaa Lys Ile
 165 170

<210> 6803
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6803
 Arg Gln Val Leu Val Leu Phe Ile Asp Glu Ala Ser Gln Lys Met Ser
 1 5 10 15
 Lys Gln Gln Pro Thr Gln Phe Ile Asn Pro Glu Thr Pro Gly Tyr Val
 20 25 30
 Gly Phe Ala Asn Leu Pro Asn Gln Val His Arg Lys Ser Val Lys Lys
 35 40 45
 Gly Phe Glu Phe Thr Leu Met Val Val Gly Glu Ser Gly Leu Gly Lys
 50 55 60
 Ser Thr Leu Ile Asn Ser Leu Phe Leu Thr Asp Leu Tyr Pro Glu Arg
 65 70 75 80
 Val Ile Pro Gly Ala Ala Glu Lys Ile Glu Arg Thr Val Gln Ile Glu
 85 90 95
 Ala Ser Thr Val Glu Ile Glu Glu Xaa Gly Val Lys Leu Arg Leu Xaa
 100 105 110
 Ser Gly Arg Tyr Pro Trp Leu Trp Val Thr
 115 120

6027

<210> 6804

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6804

Trp	Xaa	Pro	Arg	Ala	Ala	Gly	Ile	Arg	His	Glu	Gly	Arg	Ser	Gly	Ala
1				5				10						15	

Val	Asp	Lys	Arg	Ala	Arg	Glu	Ala	Gly	Asn	Ile	Asn	Gln	Ser	Leu	Leu
			20					25					30		

Thr	Leu	Gly	Arg	Val	Ile	Thr	Ala	Leu	Val	Glu	Arg	Thr	Pro	His	Val
		35					40					45			

Pro	Tyr	Arg	Glu	Ser	Lys	Leu	Thr	Arg	Ile	Leu	Gln	Asp	Ser	Xaa	Gly
	50					55					60				

Gly	Arg	Thr	Arg	Thr	Ser	Ile	Ile	Ala	Thr	Ile	Ser	Pro	Ala	Ser	Leu
65					70					75					80

Asn	Leu	Glu	Glu	Thr	Leu	Ser	Thr	Leu	Glu	Tyr	Ala	His	Arg	Ala	Lys
				85					90					95	

Asn	Ile	Leu	Xaa	Lys	Pro	Xaa	Val	Asn	Gln	Lys	Leu	Thr	Lys	Lys	Ala
			100					105						110	

Leu	Ile	Lys
		115

6028

<210> 6805

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6805

Val	Trp	Lys	Arg	His	Ser	Arg	Met	Ser	Tyr	Leu	Xaa	Val	Pro	Tyr	Val
1				5					10					15	

Thr His Ser

<210> 6806

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6806

Arg	Thr	Thr	Val	Thr	Glu	Val	Ser	Arg	Ala	Phe	Ser	Leu	Leu	Cys	Lys
1				5					10					15	

Met Ala Thr Leu Lys Glu Lys Leu Ile Ala Pro Val Ala Glu Glu Glu

6029

	20		25		30														
Ala	Thr	Val	Pro	Asn	Asn	Lys	Ile	Thr	Val	Val	Gly	Val	Gly	Gln	Val				
	35						40					45							
Gly	Met	Ala	Cys	Ala	Ile	Ser	Ile	Leu	Gly	Lys	Ser	Leu	Ala	Asp	Glu				
	50					55					60								
Leu	Ala	Leu	Val	Asp	Val	Leu	Glu	Asp	Lys	Leu	Lys	Gly	Glu	Met	Met				
	65					70				75					80				
Asp	Leu	His	His	Gly	Ser	Leu	Phe	Leu	Xaa	Thr	Pro	Lys	Ile	Val	Ala				
				85					90					95					
Asp	Lys	Asp	Tyr	Ser	Val	Thr	Ala	Xaa	Ser	Lys	Ile	Val	Val	Val	Thr				
			100					105					110						
Ala	Xaa	Val	Arg	Gln	Gln	Glu	Gly	Glu	Ser	Arg	Leu	Asn	Leu	Val	Gln				
		115					120					125							
Arg	Asn	Val	Asn	Val	Phe	Lys	Phe	Ile	Ile	Pro	Gln	Ile	Val	Lys	Tyr				
	130					135					140								
Xaa	Ser																		
	145																		

<210> 6807

<211> 175

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

6030

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

6031

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<220>
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<220>
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<220>
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<220>
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<220>
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<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
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6032

<400> 6807

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Leu Xaa Pro Ala Xaa Xaa Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1             5             10             15

Pro Thr Ser Ser Ser Ser Arg Ala Ala Ala Leu Glu Asp Xaa Arg Leu
          20             25             30

Arg Thr Gln Pro Cys Gln Xaa Xaa Ala Xaa Xaa Xaa Gly Xaa Xaa Xaa
      35             40             45

Xaa Xaa Xaa Xaa Ala Ala Val Xaa Gln Arg Arg Asp Trp Glu Asn Pro
      50             55             60

Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa His Pro Pro Phe Ala Ser
 65             70             75             80

Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu
          85             90             95

Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser
          100             105             110

Ala Xaa Gly Val Val Val Thr Arg Ser Val Thr Ala Thr Leu Ala Ser
      115             120             125

Ala Leu Ala Pro Ala Pro Phe Ala Xaa Phe Pro Ser Phe Xaa Xaa Thr
      130             135             140

Phe Ala Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro Leu Gly
 145             150             155             160

Phe Arg Xaa Ser Ala Leu Arg His Leu Asp Xaa Lys Lys Leu Asp
          165             170             175

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<210> 6808

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

6033

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6808

Xaa	Xaa	Lys	Ser	Trp	Cys	Ser	Thr	Ala	Val	Ala	Xaa	Ala	Leu	Glu	Leu
1				5				10					15		

Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Glu	Cys	Gln	Val	Ile
		20					25					30			

Val	Ser	Gln	Pro	Ile	Ile	Phe	Lys	Thr	Glu	Thr	Pro	Ser	Asn		
		35					40					45			

<210> 6809

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6809

Leu	Leu	Xaa	Met	Arg	Leu	Pro	Ala	Gln	Leu	Leu	Xaa	Leu	Leu	Met	Leu
1				5				10					15		

Trp	Val	Ser	Gly	Ser	Ser	Gly	Asn	Ile	Val	Met	Thr	Gln	Ser	Pro	Leu
			20				25					30			

Ser	Leu	Pro	Val	Thr	Pro	Gly	Glu	Pro	Ala	Ser	Ile	Ser	Cys	Arg	Ser
		35					40					45			

6034

Ser Gln Thr Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr
 50 55 60

Leu Gln Lys Pro Gly Gln Ser Xaa Gln Leu Leu Ile Tyr Leu Gly Ser
 65 70 75 80

Asn Arg Ala Phe Xaa Gly Ser Leu Thr Gly Phe
 85 90

<210> 6810

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6810

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 1 5 10 15

Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Xaa Leu Ser Tyr Asn
 20 25 30

Lys Leu Lys Asn Ile Pro Thr Val Asn Glu Asn Leu Glu Asn Tyr Tyr
 35 40 45

Leu Glu Val Asn Gln Leu Glu Lys Phe Asp Ile Lys Ser Phe Cys Lys
 50 55 60

Ile Leu Gly Pro Leu Ser Tyr Ser Lys Ile Lys Gln Lys Leu Phe Met
 65 70 75 80

Ser Ile Ala Ser Gln Lys Pro Val Phe His Arg Ile Cys Met Asn Val
 85 90 95

6035

Tyr Val Leu Leu Thr Lys Ser Leu Leu Ile Asn Ile Cys Ile Leu Glu
 100 105 110

Gln Tyr Phe Met Val Met Phe Phe Cys Val Ser Val Phe Ile Val Ser
 115 120 125

Ile Phe Tyr Tyr Cys Leu Leu Leu Pro
 130 135

<210> 6811

<211> 142

<212> PRT

<213> Homo sapiens

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<400> 6811

Pro Arg Val Arg Ala Val Met Ala Pro Arg Thr Leu Leu Leu Leu Leu
 1 5 10 15

Leu Gly Ala Leu Ala Leu Thr Gln Thr Trp Ala Gly Ser His Ser Met

6036

20	25	30
Arg Tyr Phe Thr Thr Ser Val Ser Arg Pro Gly Arg Gly Glu Pro Arg		
35	40	45
Phe Ile Ala Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp		
50	55	60
Ser Asp Ala Xaa Ser Gln Arg Met Glu Pro Arg Ala Pro Trp Ile Glu		
65	70	75
Gln Glu Arg Pro Glu Tyr Trp Asp Gln Glu Thr Arg Asn Val Lys Ala		
85	90	95
His Ser Gln Ile Asp Arg Val Asp Leu Gly Thr Leu Arg Gly Tyr Tyr		
100	105	110
Asn Gln Ser Glu Ala Gly Ser Xaa Thr Xaa Xaa Met Met Tyr Gly Cys		
115	120	125
Xaa Val Gly Phe Gly Arg Ala Leu Pro Xaa Arg Val Pro Thr		
130	135	140

<210> 6812

<211> 130

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<400> 6812

Glu Ala Cys Xaa Asp Leu Ala Lys Glu Gln Gly Pro Tyr Glu Thr Tyr
1 5 10 15

Glu Gly Ser Pro Val Ser Lys Gly Ile Leu Gln Tyr Asp Met Trp Asn
20 25 30

Val Thr Pro Thr Asp Leu Trp Asp Trp Lys Val Leu Lys Glu Lys Ile
35 40 45

Ala Lys Tyr Gly Ile Arg Asn Ser Leu Leu Ile Ala Pro Met Pro Thr

6037

50		55		60
Ala Ser Thr Ala Gln Ile Leu Gly Asn Asn Glu Ser Ile Glu Pro Tyr				
65		70		75 80
Thr Ser Asn Ile Tyr Thr Arg Arg Asp Leu Ser Gly Glu Phe Gln Ile				
	85		90	95
Val Asn Pro His Leu Leu Lys Asp Leu Thr Glu Arg Gly Leu Trp His				
	100		105	110
Glu Glu Met Lys Asn Gln Ile Ile Ala Cys Asn Gly Ser Ile Xaa Ser				
	115		120	125
Ile Pro				
130				

<210> 6813

<211> 61

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<400> 6813

Thr	Met	Gln	Ala	Xaa	Asp	Asn	Ile	Thr	Xaa	Ala	Arg	Leu	Leu	Gln	Gln
1				5					10					15	

Glu	Val	Leu	Gln	Asn	Val	Ser	Asp	Ala	Glu	Ser	Cys	Tyr	Leu	Val	His
			20					25					30		

Thr	Leu	Leu	Glu	Phe	Tyr	Leu	Lys	Thr	Val	Phe	Lys	Asn	Tyr	His	Asn
			35				40					45			

Arg	Thr	Val	Glu	Val	Arg	Asp	Xaa	Xaa	Xaa	Ile	Leu	Xaa
			50			55					60	

<210> 6814

<211> 72

<212> PRT

<213> Homo sapiens

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<400> 6814

Lys	Thr	Gln	Glu	Thr	Thr	Ser	Ile	Ser	Val	Thr	His	Phe	Leu	Ser	Phe
1				5					10					15	

Leu	Thr	Gly	Phe	Trp	Lys	Leu	Ala	Ile	Cys	Met	Ala	Lys	Thr	Asp	Leu
			20					25					30		

Ser	Leu	Xaa	His	Gln	Pro	Asp	Lys	Lys	Gly	Val	Pro	Arg	Asp	Xaa	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6039

35 40 45
 Leu Pro Ile Ser Asp Val Arg Ala Ser Ile Xaa Ala Trp Gly Gln Leu
 50 55 60
 Pro Leu Val Gly Thr Xaa His His
 65 70

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<210> 6815
<211> 209
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<400> 6815
Gly Asp Gln Pro Thr Ala Xaa Cys Xaa Cys Ile Gln Arg Gln Val Pro
1 5 10 15
Pro Val Pro Ala Ala Arg Ala Pro Gln Ser Arg Thr Arg Ser Ala Gln
20 25 30

6040

Ala	Lys	Leu	Ala	Leu	Thr	Met	Pro	Val	Lys	Gly	Gly	Thr	Lys	Cys	Ile			
		35					40					45						
Lys	Tyr	Leu	Leu	Phe	Gly	Phe	Asn	Phe	Ile	Phe	Trp	Leu	Ala	Gly	Ile			
	50					55					60							
Ala	Val	Leu	Ala	Ile	Gly	Leu	Trp	Leu	Arg	Phe	Asp	Ser	Gln	Thr	Lys			
65					70					75					80			
Ser	Ile	Phe	Glu	Gln	Glu	Thr	Asn	Asn	Asn	Asn	Ser	Ser	Phe	Tyr	Thr			
				85					90					95				
Gly	Val	Tyr	Ile	Leu	Ile	Gly	Ala	Gly	Ala	Leu	Met	Met	Leu	Val	Gly			
			100					105					110					
Phe	Leu	Gly	Cys	Cys	Gly	Ala	Val	Gln	Glu	Ser	Gln	Cys	Met	Leu	Gly			
		115					120					125						
Leu	Phe	Phe	Gly	Phe	Leu	Leu	Val	Ile	Phe	Ala	Ile	Glu	Ile	Ala	Ala			
	130						135				140							
Ala	Ile	Trp	Gly	Tyr	Ser	His	Lys	Asp	Glu	Val	Ile	Lys	Glu	Val	Gln			
145					150					155					160			
Glu	Phe	Tyr	Lys	Asp	Thr	Tyr	Asn	Lys	Leu	Lys	Thr	Lys	Asp	Glu	Pro			
				165					170					175				
Gln	Arg	Glu	Thr	Leu	Lys	Ala	Ile	His	Tyr	Ala	Leu	Asn	Cys	Xaa	Gly			
			180					185					190					
Xaa	Gly	Trp	Gly	Ala	Trp	Lys	Gln	Xaa	Tyr	Leu	Lys	Lys	Xaa	Trp	Pro			
		195					200					205						

Gln

<210> 6816

<211> 123

<212> PRT

<213> Homo sapiens

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<400> 6816

Val	Glu	Xaa	Asn	Ser	Pro	Xaa	Xaa	Arg	Xaa	Leu	Leu	Gln	Ile	Leu	Leu
1				5				10						15	

Ser	Phe	Ala	Ser	Gly	Gly	Leu	Leu	Gly	Asp	Ala	Phe	Leu	His	Leu	Ile
			20					25					30		

Pro	His	Ala	Leu	Glu	Pro	His	Ser	His	His	Thr	Leu	Glu	Gln	Pro	Gly
		35					40					45			

His	Gly	His	Ser	His	Ser	Gly	Gln	Gly	Pro	Ile	Leu	Ser	Val	Gly	Leu
	50					55					60				

Xaa	Xaa	Leu	Xaa	Gly	Ile	Xaa	Ala	Phe	Xaa	Asp	Val	Glu	Lys	Phe	Xaa
65					70					75					80

Arg	His	Val	Lys	Gly	Gly	His	Gly	His	Ser	His	Gly	His	Gly	His	Ala
				85					90					95	

His	Ser	His	Thr	Arg	Gly	Ser	His	Gly	His	Gly	Arg	Xaa	Glu	Arg	Ser
			100					105					110		

Thr	Xaa	Glu	Lys	Xaa	Ile	Ser	Glu	Glu	Glu	Asp
	115						120			

<210> 6817

<211> 137

<212> PRT

<213> Homo sapiens

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<400> 6817

Xaa	Asp	Ile	Glu	Phe	Ile	Tyr	Thr	Ala	Pro	Ser	Ser	Ala	Val	Cys	Gly
1				5				10						15	

Val	Ser	Leu	Asp	Val	Gly	Gly	Lys	Lys	Glu	Tyr	Leu	Ile	Ala	Gly	Lys
			20					25					30		

6043

Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp Phe Ile Val
 35 40 45
 Pro Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu Asn His Arg
 50 55 60
 Tyr Gln Met Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro Met Ile Pro
 65 70 75 80
 Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp Met Asp Trp Val Thr
 85 90 95
 Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala Cys Ile Lys
 100 105 110
 Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala Pro Pro Lys
 115 120 125
 Gln Glu Phe Leu Asp Ile Glu Asp Pro
 130 135

<210> 6818

<211> 158

<212> PRT

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<400> 6818

Pro Arg Ala Arg Pro Ala Ala Pro Ala Ala Ala Pro Gly Pro Leu Ala
 1 5 10 15

Ala Ala Thr Met Asp Ala Ile Lys Lys Lys Met Gln Met Leu Lys Leu
 20 25 30

Asp Lys Glu Asn Ala Leu Asp Arg Ala Glu Gln Ala Glu Ala Asp Lys

6044

35	40	45
Lys Ala Ala Glu Asp Arg Ser Lys Gln Leu Glu Asp Glu Leu Val Ser		
50	55	60
Leu Gln Lys Lys Leu Lys Gly Thr Glu Asp Glu Leu Asp Lys Tyr Ser		
65	70	75
Glu Ala Leu Lys Asp Ala Gln Glu Lys Leu Glu Leu Ala Glu Lys Lys		
85	90	95
Ala Thr Asp Ala Glu Ala Asp Val Ala Ser Leu Asn Arg Arg Ile Gln		
100	105	110
Leu Val Glu Glu Glu Val Trp Ile Val Pro Lys Xaa Arg Ser Gly Asn		
115	120	125
Ser Phe Ala Glu Thr Trp Xaa Lys Leu Glu Lys Ala Ala Asp Glu Ser		
130	135	140
Glu Arg Xaa Met Lys Val Ile Glu Lys Ser Ser Pro Lys Arg		
145	150	155

<210> 6819

<211> 37

<212> PRT

<213> Homo sapiens

<400> 6819

Cys Lys Met Phe Ala Cys Ala Lys Leu Ala Cys Thr Pro Ser Leu Ile
1 5 10 15
Arg Ala Gly Ser Ile Val Ala Tyr Arg Pro Ile Ser Ala Ser Val Phe
20 25 30
Ile Ser Thr Arg Ser
35

<210> 6820

<211> 183

<212> PRT

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<400> 6820

Glu	Asn	Val	Leu	Lys	Thr	Ser	Gly	Lys	Leu	Arg	Glu	Asn	Leu	Leu	His
1				5					10					15	

Gly	Ala	Leu	Glu	His	Tyr	Val	Asn	Cys	Leu	Asp	Leu	Val	Asn	Lys	Arg
		20						25					30		

Leu	Pro	Tyr	Gly	Leu	Ala	Gln	Ile	Gly	Val	Cys	Phe	His	Pro	Val	Phe
		35					40					45			

Asp	Thr	Lys	Gln	Ile	Arg	Asn	Gly	Val	Lys	Ser	Ile	Gly	Glu	Lys	Thr
	50					55					60				

Glu	Ala	Ser	Leu	Val	Trp	Phe	Thr	Pro	Pro	Arg	Thr	Ser	Asn	Gln	Trp
65						70				75					80

Leu	Asp	Phe	Trp	Leu	Arg	His	Arg	Leu	Gln	Trp	Trp	Arg	Lys	Phe	Ala
				85					90					95	

Met	Ser	Pro	Ser	Asn	Phe	Ser	Ser	Ser	Asp	Cys	Gln	Asp	Glu	Glu	Gly
			100					105					110		

Arg	Lys	Gly	Asn	Lys	Leu	Tyr	Tyr	Asn	Phe	Pro	Leu	Gly	Lys	Gly	Val
		115					120					125			

Asn	Arg	Asn	Pro	Val	Glu	Pro	Lys	Arg	Ser	Glu	Leu	Leu	His	Met	Tyr
	130					135					140				

Pro	Gly	Asn	Xaa	Ala	Lys	Leu	Pro	Trp	Pro	Lys	Trp	Thr	Lys	Lys	Xaa
145					150					155					160

6046

Gly Ser Leu Gly Ser Ser Leu Glu Met Gly Thr Xaa Thr Arg Gly Met
165 170 175

Leu Xaa Asn Xaa Met Ile Leu
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<210> 6821

<211> 109

<212> PRT

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<400> 6821

Glu	Leu	Leu	Ser	Ser	Arg	Xaa	Leu	Xaa	Ala	Lys	Xaa	Xaa	Gly	Xaa	Ser
1				5					10					15	

Xaa	Xaa	Ser	His	Arg	Ala	Leu	Gln	Gly	Thr	Ile	Ala	Xaa	Asn	Xaa	Glu
			20					25					30		

Thr	Asp	Met	Gln	Val	Leu	Glu	Lys	Leu	Ser	Gly	Lys	Leu	Xaa	Glu	Arg
		35					40					45			

Xaa	Leu	Lys	Asp	Phe	Xaa	Met	Ile	Arg	Xaa	Met	Lys	Xaa	Lys	Leu	Asn
	50					55					60				

Pro	Gln	Asn	Ser	Xaa	Val	Met	Pro	Trp	Asp	Pro	Xaa	Tyr	Tyr	Ser	Gly
65					70					75					80

Val	Ile	Arg	Ala	Glu	Arg	Xaa	Asn	Ile	Glu	Pro	Ser	Leu	Tyr	Cys	Pro
				85					90					95	

Xaa	Phe	Xaa	Leu	Gly	Ala	Cys	Met	Glu	Ser	Leu	Asn	Ile
			100					105				

<210> 6822

<211> 144

<212> PRT

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 Pro Lys Xaa Val Xaa Thr Val Phe Ser Leu Gly Ala Cys Met Glu Gly
 20 25 30
 Leu Asn Ile Leu Leu Asn Arg Leu Leu Gly Ile Ser Leu Tyr Ala Glu
 35 40 45
 Gln Pro Ala Lys Gly Glu Val Trp Ser Glu Asp Val Arg Lys Leu Ala
 50 55 60
 Val Val His Glu Ser Glu Gly Leu Leu Gly Tyr Ile Tyr Cys Asp Phe
 65 70 75 80
 Phe Gln Arg Ala Asp Lys Pro His Gln Asp Cys His Phe Thr Ile Arg
 85 90 95
 Gly Gly Arg Leu Lys Gly Arg Trp Glu Thr Xaa Gln Leu Pro Val Val
 100 105 110

6050

Ser Ser Tyr Ala Gly Ile Phe Pro Val Pro Xaa Arg Glu Phe Ser Asn
 115 120 125

Phe Gly Xaa Xaa Leu Gly Met Met Gly Lys Pro Phe Pro Gly Xaa Gly
 130 135 140

<210> 6823

<211> 100

<212> PRT

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<400> 6823

Ala Xaa Ser Ser Leu Trp Glu Ser Lys Pro Arg Xaa Gly Thr Glu Ala
 1 5 10 15

Ser Glu Leu Leu Pro Thr Leu Asp Thr Lys Ala Pro Thr Gly Arg Arg
 20 25 30

Thr Lys Pro Trp Gly Arg Leu Lys Arg Arg Ala Arg Ser Pro Gln Gly
 35 40 45

Gln Thr Ala Lys Pro Gln Ser Cys Cys Gly Ala Glu His Arg Gly Pro
 50 55 60

Gln Ala Leu Arg Lys Gly Arg Gly Asp Pro Gly Ala Arg Glu Arg Ser
 65 70 75 80

Pro Arg Ala Ile Ser Arg Ala Gly Arg Arg Glu Pro Arg Ala Val His
 85 90 95

Ser Cys Gly Leu
 100

6051

<210> 6824

<211> 109

<212> PRT

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<400> 6824

Phe	Lys	Arg	Glu	Thr	Gly	Val	Asp	Leu	Thr	Lys	Asp	Asn	Met	Ala	Leu
1				5				10						15	

Gln	Arg	Val	Arg	Glu	Ala	Ala	Glu	Lys	Ala	Lys	Cys	Glu	Leu	Ser	Ser
		20						25					30		

Ser	Val	Gln	Thr	Asp	Ile	Asn	Leu	Pro	Tyr	Leu	Thr	Met	Asp	Ser	Ser
		35					40					45			

Gly	Pro	Lys	His	Leu	Asn	Met	Lys	Leu	Thr	Arg	Ala	Gln	Phe	Glu	Gly
	50					55					60				

Ile	Val	Thr	Asp	Leu	Ile	Arg	Arg	Thr	Ile	Ala	Pro	Cys	Gln	Lys	Ala
	65					70				75					80

Met	His	Asp	Ala	Glu	Val	Ile	Leu	Ser	Asp	Ile	Xaa	Glu	Val	Xaa	Pro
				85					90					95	

Val	Xaa	Gly	Met	Thr	Arg	Met	Pro	Met	Phe	Xaa	Arg	Leu
			100					105				

<210> 6825

<211> 48

6052

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6825

Ala	Arg	Glu	Xaa	Thr	Lys	Lys	Leu	Arg	Glu	Gln	Gly	Ser	Leu	Leu	Gly
1				5					10					15	

Lys	Leu	Val	Gln	Asn	Gly	Thr	Glu	Pro	Ser	Ser	Leu	Pro	Phe	Leu	Asp
			20					25					30		

Pro	Asn	Ala	Arg	Pro	Leu	Val	Pro	Glu	Val	Ser	Ile	Lys	Val	Gln	Arg
		35					40					45			

<210> 6826

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

6053

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6826

Thr	Ala	Leu	Asn	Asn	Leu	Xaa	Pro	Asn	Tyr	Ala	Xaa	Glu	Lys	Leu	Gln
1				5					10					15	

Gln	Gln	Phe	Asn	Met	His	Val	Phe	Lys	Leu	Glu	Gln	Glu	Glu	Tyr	Met
			20					25					30		

Lys	Glu	Asp	Ile	Pro	Trp	Thr	Leu	Ile	Asp	Phe	Tyr	Asp	Xaa	Gln	Pro
		35					40					45			

Val	Phe	Asp	Leu	Ile	Glu	Xaa	Lys	Trp	Glu	Ser	Trp	Xaa	Phe	Trp	Xaa
	50						55				60				

Lys	Asn	Xaa	Cys	Phe
				65

<210> 6827

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6827

6054

Cys Leu Ser Trp Glu Arg Arg Gly Pro Ser Ser Ala Pro Pro Thr Val
 1 5 10 15
 Trp Glu Thr Val Pro Ser Pro Leu Leu Gly Ser Lys His Leu Phe Pro
 20 25 30
 Val Leu Met Glu Ser Trp Cys Leu Ser Pro Ser Ala Ala Gln Lys Leu
 35 40 45
 Cys Arg Leu Leu Gly Leu Gly Val Thr Asp Phe Ser Arg Ala Leu Leu
 50 55 60
 Thr Pro Arg Ile Lys Val Gly Arg Asp Tyr Val Gln Lys Ala Gln Thr
 65 70 75 80
 Lys Glu Gln Val Xaa Gly Ala Gly Gly Gly Gln Xaa Thr Xaa Arg Ala
 85 90 95

<210> 6828

<211> 39

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6828

Leu Glu Asp Leu His Asp Leu Leu Ala Ser Leu Xaa Asn Asn Ala Xaa
 1 5 10 15

6055

Asp Asp Tyr Leu Asn Ala Met Xaa Ser Glu Ala Pro Met Pro Ile Xaa
 20 25 30

Phe Ala Met Phe Leu Thr Met
 35

<210> 6829

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6829

Lys Val Leu Met Arg Asn Leu Ala Leu Pro Glu Asp Val Arg Gly Lys
 1 5 10 15

Cys Thr Ser Leu Leu Gln Leu Tyr Asp Ala Ser Asn Ser Glu Trp Gln
 20 25 30

Leu Gly Lys Thr Lys Val Phe Leu Arg Glu Ser Leu Glu Gln Lys Leu
 35 40 45

Glu Lys Arg Arg Glu Glu Glu Val Ser His Ala Ala Met Val Ile Arg
 50 55 60

Ala His Val Leu Gly Phe Leu Ala Arg Lys Gln Tyr Arg Lys Val Leu
 65 70 75 80

Tyr Cys Val Val Ile Ile Gln Lys Asn Tyr Arg Ala Phe Leu Leu Arg
 85 90 95

Arg Arg Phe Leu His Leu Lys Lys Ala Ala Ile Val Phe Gln Lys Gln
 100 105 110

Leu Arg Gly Gln Ile Ala Arg Arg Val Tyr Arg Gln Phe Ala Gly Arg
 115 120 125

Glu Lys Gly Ala Arg Xaa Lys Lys
 130 135

<210> 6830

<211> 69

6056

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6830

Asn	Ser	Leu	Ala	Lys	Glu	Thr	Leu	Glu	Pro	Leu	Ser	Gln	Ala	Ala	Trp
1				5					10					15	

Leu	Leu	Gln	Val	Lys	Lys	Thr	Thr	Asp	Ser	Asp	Ala	Lys	Xaa	Ile	Tyr
			20					25					30		

Glu	Arg	Cys	Thr	Ser	Leu	Ser	Ala	Val	Gln	Ile	Ile	Lys	Xaa	Leu	Asn
		35					40					45			

Ser	Tyr	Thr	Pro	Ile	Asp	Asp	Phe	Glu	Lys	Arg	Val	Thr	Pro	Ser	Phe
	50					55					60				

Val	Arg	Lys	Val	Gln
65				

<210> 6831

<211> 179

<212> PRT

<213> Homo sapiens

<400> 6831

Gly	Lys	Arg	Tyr	Ile	Lys	Ala	Leu	Ala	Glu	Glu	Asn	Arg	Asn	Val	Val
1					5				10					15	

Asp	Gly	Pro	Tyr	Ala	Gly	Val	Met	Thr	Ala	Tyr	Asp	Leu	Lys	Lys	Thr
			20					25					30		

Leu	Ala	Val	Leu	Leu	Asp	Asn	Ile	Leu	Gln	Arg	Ile	Gly	Lys	Leu	Glu
		35					40					45			

Ser	Lys	Val	Asp	Asn	Leu	Val	Val	Asn	Gly	Thr	Gly	Thr	Asn	Ser	Thr
	50					55					60				

Asn	Ser	Thr	Thr	Ala	Val	Pro	Ser	Leu	Val	Ala	Leu	Glu	Lys	Ile	Asn
65						70				75					80

6057

Val Ala Asp Ile Ile Asn Gly Ala Gln Glu Lys Cys Val Leu Pro Pro
 85 90 95
 Met Asp Gly Tyr Pro His Cys Glu Gly Lys Ile Lys Trp Met Lys Asp
 100 105 110
 Met Trp Arg Ser Asp Pro Cys Tyr Ala Asp Tyr Gly Val Asp Gly Ser
 115 120 125
 Thr Cys Ser Phe Phe Ile Tyr Leu Ser Glu Val Glu Asn Trp Cys Pro
 130 135 140
 His Leu Pro Trp Arg Ala Lys Asn Pro Tyr Glu Glu Ala Asp His Asn
 145 150 155 160
 Ser Leu Ala Glu Ile Leu Gln Ile Phe Asn Ile Leu Tyr Ser Met Met
 165 170 175
 Lys Lys Ala

<210> 6832
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 6832
 Ala Cys Arg Asp Val Arg Arg Leu Ser Leu Ser Val Met Ala Leu Lys
 1 5 10 15
 Glu Gln Thr Ile Pro Pro Ser Ala Lys Tyr Gly Gly Arg His Thr Val
 20 25 30
 Thr Met Ile Pro Gly Asp Gly Ile Gly Pro Glu Leu Met Leu His Val
 35 40 45
 Lys Ser Val Phe Arg His Ala Cys Val Thr Ser Gly Leu
 50 55 60

<210> 6833
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 6833
 Gln Lys Leu Ala Pro Ile Ser Ile Ile Tyr Gln Ile Ser Pro Ser Leu

6058

1 5 10 15
Asn Val Ser Leu Leu Leu Thr Leu Ser Ile Leu Ser Ile Ile Ala Gly
 20 25 30

Ser

<210> 6834
<211> 29
<212> PRT
<213> Homo sapiens

<400> 6834
Thr Ile Thr Asn Thr Thr Asn Gln Tyr Ser Ser Leu Ile Ile Ile Met
1 5 10 15
Ala Ile Ala Ile Lys Leu Gly Ile Ala Pro Phe His Phe
 20 25

<210> 6835
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6835
Xaa Gly Leu Asn Gln Thr Gln Leu Arg Lys Ile Leu Ala Tyr Ser Ser
1 5 10 15

Ile Thr His Ile Xaa
 20

<210> 6836
<211> 29
<212> PRT

6059

<213> Homo sapiens

<400> 6836

Thr Ile Thr Asn Thr Thr Asn Gln Tyr Ser Ser Leu Ile Ile Ile Met
1 5 10 15
Ala Ile Ala Ile Lys Leu Gly Ile Ala Pro Phe His Phe
20 25

<210> 6837

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6837

Leu Thr Pro Leu Ile Pro Ser Thr Leu Xaa Ser Leu Gly Xaa Leu Pro
1 5 10 15
Pro Leu Thr Gly Phe Leu Pro Lys Trp Ala Ile Ile Glu Glu Phe Thr
20 25 30
Thr Asn Xaa Ser Leu Ile Ile Pro Thr Ile Xaa Xaa His Ile Thr Ser
35 40 45

6060

Leu Asn Ser Asn Ser Asn Tyr Ala
 50 55

<210> 6838

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6838

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
 1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
 20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
 35 40 45

Leu Leu Pro Leu Pro
 50

<210> 6839

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6839

Ser Xaa Thr Gly Ala Val Ile Leu Ile Ile Ala His Gly Leu Thr Ser
 1 5 10 15

Ser Leu Leu Phe Cys Leu Ala Asn Ser Asn Tyr Glu Arg Thr His Arg
 20 25 30

6061

Arg Xaa Ile Ile Leu Ser Gln Gly Leu Gln Thr Leu Leu Pro Leu Ile
35 40 45

Xaa Phe
50

<210> 6840

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6840

Ile Ile Met Ala Ile Xaa Ile Lys Leu Gly Ile Ala Pro Phe His Phe
1 5 10 15

<210> 6841

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

6062

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

6063

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6841

Pro	Leu	Ser	Lys	Val	Pro	Leu	Gln	Xaa	Asn	Phe	Gln	Asp	Asn	Gln	Phe
1				5					10					15	

Gln	Gly	Lys	Trp	Tyr	Val	Val	Gly	Leu	Ala	Xaa	Asn	Ala	Ile	Leu	Arg
			20					25					30		

Glu	Asp	Lys	Asp	Pro	Gln	Lys	Met	Tyr	Ala	Thr	Ile	Tyr	Glu	Leu	Lys
		35					40					45			

Glu	Asp	Xaa	Ser	Tyr	Asn	Val	Thr	Ser	Val	Leu	Phe	Xaa	Lys	Lys	Lys
		50				55					60				

Cys	Asp	Tyr	Trp	Ile	Xaa	Thr	Phe	Val	Pro	Xaa	Cys	Xaa	Pro	Gly	Glu
65					70					75					80

Phe	Thr	Leu	Gly	Asn	Ile	Xaa	Xaa	Tyr	Pro	Gly	Leu	Thr	Xaa	Tyr	Leu
				85					90					95	

Val	Arg	Val	Val	Xaa	Thr	Thr	Thr	Thr	Ser	Met	Leu	Trp	Cys	Ser	Ser
			100					105					110		

Lys	Lys	Phe	Leu	Xaa	Thr	Xaa	Asn	Ser	Ser	Xaa	Ser	Pro	Leu	Xaa	Lys
		115					120					125			

Asn	Xaa	Glu	Leu	Asp	Phe	Arg	Asn	Leu	Lys	Glu	Lys	Leu	Pro	Pro	Pro
		130				135					140				

Pro	Pro	Asn	Ser	Pro	Gly	Pro	Pro
145					150		

<210> 6842

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

6064

<222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6842
 Trp Gly Met Ser Cys His Gly Leu Gly Arg Thr Glu Ser Asn Arg Thr
 1 5 10 15

 Leu Leu Leu Pro Trp Pro His Leu Val Gln His Arg Arg Pro Lys Pro
 20 25 30

 Gly Leu Ser Pro Leu Ser Pro Thr His Leu Ser Leu Pro Arg Lys Lys
 35 40 45

 Lys Cys Asp Tyr Trp Ile Arg Thr Phe Val Pro Xaa Cys Gln Pro Gly
 50 55 60

 Glu Phe Thr Leu Gly Asn Ile Xaa Ser Tyr Pro Gly Leu Thr Ser Tyr
 65 70 75 80

 Leu Val Arg Met Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe
 85 90 95

6065

Xaa Xaa Lys Val Ser Xaa Asn Arg Glu Val Leu Xaa Glu His Leu Leu
100 105 110

Xaa Glu Asn Gln
115

<210> 6843

<211> 70

<212> PRT

<213> Homo sapiens

<400> 6843

Arg Thr Gly Arg Trp Gly Gln Glu Met Val Leu Leu Ser Thr Leu Gly
1 5 10 15

Ile Val Phe Gln Gly Glu Gly Pro Pro Ile Ser Ser Cys Asp Thr Gly
20 25 30

Thr Met Ala Asn Cys Glu Arg Thr Phe Ile Ala Ile Lys Pro Asp Gly
35 40 45

Val Gln Arg Gly Leu Val Gly Glu Ile Ile Lys Arg Phe Glu Gln Lys
50 55 60

Gly Ser Ala Leu Leu Val
65 70

<210> 6844

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

6066

<400> 6844

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Leu Glu Ala Leu Phe Ser Asp Val Asn Met Gln Glu Tyr Pro Asp Leu
 1              5              10              15

Ile His Ile Tyr Lys Gly Phe Glu Asn Val Ile His Asp Lys Leu Pro
          20              25              30

Leu Gln Glu Ser Glu Glu Glu Glu Arg Glu Glu Arg Ser Gly Leu Gln
          35              40              45

Leu Ser Leu Glu Gln Gly Thr Gly Glu Asn Ser Phe Arg Ser Leu Thr
          50              55              60

Trp Pro Pro Ser Gly Ser Pro Ser His Ala Gly Thr Thr Pro Pro Glu
 65              70              75              80

Asn Gly Leu Ser Glu His Pro Cys Glu Thr Glu Gln Ile Asn Ala Lys
          85              90              95

Arg Lys Asp Thr Thr Ser Asp Lys Asp Asp Ser Leu Gly Ser Gln Gln
          100              105              110

Thr Asn Glu Gln Cys Ala Gln Lys Ala Xaa Pro Thr Glu Val Cys Glu
          115              120              125

Pro Ile Xaa Xaa Pro Ser Glu Ile Trp Gly
          130              135

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<210> 6845

<211> 133

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6845

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Val His Leu Thr Lys Gly Xaa Lys Ala Gly Ala Pro Pro Arg Cys Gly
 1              5              10              15

Arg Ser Arg Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Asp

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20 25 30

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<210> 6846
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6846
Glu Lys Ser Arg Glu His Glu Ile Asp Gly Arg Ser Ile Ser Leu Tyr
 1             5             10             15
Tyr Thr Gly Glu Lys Gly Gln Asn Gln Asp Tyr Arg Gly Gly Lys Asn
      20             25             30
Ser Thr Trp Ser Gly Glu Ser Lys Thr Leu Val Leu Ser Asn Leu Ser
      35             40             45
Tyr Ser Ala Thr Glu Glu Thr Leu Gln Glu Val Phe Glu Lys Ala Thr
      50             55             60
Phe Ile Lys Val Pro Gln Asn Gln Asn Gly Lys Ser Lys Gly Tyr Ala
 65             70             75             80

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6068

Phe Ile Glu Phe Ala Ser Phe Glu Asp Ala Lys Glu Ala Leu Asn Ser
85 90 95

Cys Asn Lys Arg Glu Ile Glu Gly Arg Ala Ile Arg Leu Glu Leu Gln
100 105 110

Gly Pro Arg Gly Ser Pro Asn Ala Arg Ser Gln Pro Ser Lys Thr Leu
115 120 125

Phe Val Lys Gly Leu Ser Glu Asp Thr Thr Glu Glu Thr Leu Xaa Gly
130 135 140

Val Ile
145

<210> 6847

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

6069

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6847

Ser	Gly	Ser	Xaa	Phe	Trp	Lys	Ala	Leu	Thr	Phe	Met	Ala	Val	Gly	Gly
1				5					10					15	

Gly	Leu	Ala	Val	Ala	Gly	Leu	Pro	Ala	Leu	Gly	Phe	Thr	Gly	Ala	Gly
			20					25					30		

Ile	Ala	Ala	Asn	Ser	Val	Ala	Ala	Ser	Leu	Met	Xaa	Trp	Ser	Ala	Ile
			35					40				45			

Leu	Asn	Gly	Gly	Gly	Val	Pro	Ala	Gly	Gly	Leu	Val	Ala	Thr	Leu	Gln
	50						55				60				

Ser	Leu	Gly	Ala	Gly	Gly	Ser	Lys	Val	Xaa	Ile	Xaa	Asn	Ile	Gly	Ala
65					70					75					80

Leu	Met	Gly	Tyr	Ala	Thr	His	Xaa	Tyr	Leu	Asp	Ser	Glu	Glu	Asp	Xaa
				85					90					95	

Glu	Xaa	Pro	Ala	Ala	Xaa	Xaa	Thr	Ser	Ser	Ser	Phe	Leu	Ala
			100					105					110

<210> 6848

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6070

<221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6848
 His Leu Cys Ala Glu Ser Asp Ser Val Leu Arg Val Thr Arg Arg Gly
 1 5 10 15
 Glu Gln Ala Asp His Phe Thr Gln Thr Pro Leu Xaa Pro Gly Ser Gln
 20 25 30
 Val Leu Val Arg Val Asp Trp Glu Arg Arg Phe Asp His Met Gln Gln
 35 40 45
 His Ser Gly Gln His Leu Ile Thr Ala Val Xaa Asp His Leu Phe Lys
 50 55 60
 Leu Lys Thr Thr Ser Xaa Glu Leu Gly Arg Phe Arg Ser Ala Ile Xaa
 65 70 75 80
 Leu Asp Thr Pro Ser Met Thr
 85

<210> 6849
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6849

6071

Asn Pro Ala Leu Glu Leu Lys Arg Ala Thr Trp Leu Asn Ala Glu Lys
 1 5 10 15
 Asn Gly Gln Arg Pro Lys Thr Gln Leu Leu Pro Gln Lys Thr Thr Cys
 20 25 30
 Gln Lys Ile Pro Arg Asn Asn Arg Leu Met Tyr Ile His Ser Tyr Gln
 35 40 45
 Ser Tyr Val Trp Asn Asn Met Val Ser Lys Arg Ile Glu Asp Tyr Gly
 50 55 60
 Leu Asn Leu Phe Gln Gly Thr Ser Xaa Ser Lys Asp Pro Ser Pro Tyr
 65 70 75 80
 Ile Glu Glu Asp Asp Val Ile Ile Thr Leu Xaa Met Met Trp Glu Cys
 85 90 95
 Leu Ala Trp Phe Arg Trp Tyr Leu Pro Gln Ala Leu Lys Phe Lys Lys
 100 105 110
 Pro Thr Gly Lys Cys Ser Gln Leu Thr Ile
 115 120

<210> 6850

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6850

Cys Thr Ile Cys Thr Ala Thr Ser Arg Val Gly Val Ile Gly Ile Gly
 1 5 10 15
 Gly Leu Gly His Ile Ala Ile Lys Leu Leu His Ala Met Gly Cys Glu
 20 25 30
 Val Thr Ala Phe Ser Ser Asn Pro Ala Lys Glu Gln Glu Val Leu Ala
 35 40 45
 Met Gly Ala Asp Lys Val Val Asn Ser Arg Asp Pro Gln Ala Leu Lys
 50 55 60
 Ala Leu Ala Gly Gln Phe Asp Leu Ile Ile Asn Thr Val Asn Val Ser
 65 70 75 80
 Leu

6072

<210> 6851

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6851

Ala	Xaa	Xaa	Thr	Glu	Asn	Cys	Lys	Ile	Leu	Met	Thr	Lys	Ile	Lys	Glu
1				5				10					15		

Asp	Ile	Asn	Lys	Trp	Arg	Asn	Ile	Pro	Cys	Ser	Trp	Ile	Gly	Arg	Leu
			20					25					30		

Thr	Leu	Leu	Asn	Cys	His	Phe	Ser	Pro	Asp	Gly	Ser	Thr	Glu	Ser	Thr
			35				40					45			

<210> 6852

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

6073

<400> 6852

Ala Ala Ala Ala Ala Arg Arg Asp Ala Ala Glu Val Phe Leu Val Ser
1 5 10 15
Asp Pro Ser Gly Arg Met Val Lys Ser Ser Leu Gln Arg Ile Leu Asn
20 25 30
Ser His Cys Phe Ala Arg Glu Lys Glu Gly Asp Lys Pro Ser Ala Thr
35 40 45
Ile His Ala Xaa Arg Thr Met Pro Leu Leu Ser Leu His Xaa Pro Xaa
50 55 60

<210> 6853

<211> 106

<212> PRT

<213> Homo sapiens

<400> 6853

Lys Gln Ser Pro Glu Leu Val Lys Lys His Lys Lys Lys Arg Val Val
1 5 10 15
Pro Lys Lys Pro Pro Pro Ser Pro Gln Pro Thr Gly Lys Ile Glu Ile
20 25 30
Lys Ile Val Arg Pro Trp Ala Glu Gly Thr Glu Glu Gly Ala Arg Trp
35 40 45
Leu Thr Asp Glu Asp Thr Arg Asn Leu Lys Glu Ile Phe Phe Asn Ile
50 55 60
Leu Val Pro Gly Ala Glu Glu Ala Gln Lys Glu Arg Gln Arg Gln Lys
65 70 75 80
Glu Leu Glu Ser Asn Tyr Arg Arg Val Trp Gly Ser Pro Gly Gly Glu
85 90 95
Gly Thr Gly Asp Leu Asp Glu Phe Asp Phe
100 105

<210> 6854

<211> 44

<212> PRT

<213> Homo sapiens

6074

<400> 6854

Asn Arg Leu Phe Arg Lys Ser Cys Thr Ser Leu Lys Phe Leu Thr Phe
1 5 10 15
Thr Cys Phe Phe Gln Ser Tyr Leu Tyr Gln Ile Leu Gln Gly Ile Val
20 25 30
Phe Cys His Ser Arg Arg Val Leu His Arg Asp Leu
35 40

<210> 6855

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6855

Ala Arg Ala Glu Phe Gly Thr Ser Gly Thr Ser Lys Gly Ser Cys Phe
1 5 10 15
His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly Gly Asp Phe Thr Arg
20 25 30
His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly Glu Lys Phe Glu Asp
35 40 45
Xaa Asn Phe Ile Leu Lys His Thr Gly Pro Gly Ile Leu Ser Met Ala
50 55 60
Asn Ala Gly Pro Asn Thr Asn Gly Ser Gln Phe Phe Ile Cys Thr Ala
65 70 75 80
Gln Asp

<210> 6856

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

6075

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6856

Val	Asn	Ser	Leu	Pro	Gly	Ser	Pro	Asp	Leu	Val	Asp	Tyr	Thr	Leu	Ser
1				5				10						15	

Xaa	Pro	Ala	Arg	Ala	Xaa	Xaa	Thr	Xaa	Arg	Thr	Arg	Gly	Gly	Thr	His
			20				25					30			

<210> 6857

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6857

6076

Ile Gly Gly Xaa Ile Pro Ala Gly Pro Gln Cys Thr Leu Val Ser Arg
 1 5 10 15
 Ala Pro Gln Thr Leu Lys Met Asp Glu Leu Leu Ala Glu Met Gln Gln
 20 25 30
 Thr Xaa Glu Ser Asn Phe Leu Gln Ala Pro Gln Arg Ala Pro Gly Val
 35 40 45
 Xaa Asp Leu Ala Leu Ser Glu Asn Trp Ala Gln Ser Asp Leu Gln Leu
 50 55 60
 Glu Met Leu Trp Met
 65

<210> 6858

<211> 127

<212> PRT

<213> Homo sapiens

<220>

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<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6858

Leu Trp Arg Val Trp Gly Ala Glu Pro Arg Ala Pro Val Gly Pro Leu
 1 5 10 15

Leu Trp Arg Trp Ala Gln Pro Gly Ala Ala Ser Phe Glu Gly Arg Arg
 20 25 30

Asp Leu Phe Lys Gly Val Glu Thr Gly Arg Lys Arg Pro Arg Leu Gly
 35 40 45

Phe Gln Gly Ala Gly Asn Val Asn Arg Arg Leu Ala Cys Pro Leu Thr
 50 55 60

Val Ala Pro Ser Ser Pro Arg Lys Met Phe Ser Ser Val Ala His Leu

65					70					75					80	
Ala	Arg	Ala	Asn	Pro	Phe	Asn	Thr	Pro	His	Leu	Gln	Leu	Val	His	Asp	
				85					90					95		
Gly	Leu	Gly	Asp	Leu	Arg	Ser	Xaa	Xaa	Pro	Gly	Pro	Thr	Gly	Xaa	Pro	
				100					105					110		
Arg	Arg	Leu	Ala	Thr	Cys	Ser	Arg	Arg	Arg	Gly	Arg	Val	Gln	Leu		
				115					120					125		

<213> Homo sapiens

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 222 \rangle$ (105)

6078

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6859

Ile	Arg	His	Xaa	Val	Lys	Arg	Gly	Leu	Val	Leu	Arg	Asn	Glu	Lys	Cys
1				5				10					15		
Asn	Glu	Asn	Tyr	Thr	Thr	Asp	Phe	Ile	Phe	Asn	Leu	Tyr	Ser	Glu	Glu
			20					25					30		
Gly	Lys	Gly	Ile	Phe	Asp	Ser	Arg	Xaa	Asn	Val	Leu	Gly	His	Met	Gln
		35					40					45			
Gln	Gly	Gly	Ser	Pro	Thr	Pro	Phe	Asp	Arg	Asn	Phe	Ala	Thr	Lys	Met
	50					55					60				
Gly	Ala	Lys	Ala	Met	Asn	Trp	Xaa	Ser	Gly	Lys	Ile	Lys	Lys	Asn	Tyr
65					70					75					80
Arg	Asn	Gly	Arg	Ile	Phe	Ala	Xaa	Thr	Pro	Xaa	Pro	Ala	Leu	Phe	Leu
				85					90					95	
Gly	Tyr	Leu	Lys	Xaa	Leu	Val	Phe	Xaa	Gln	Trp	Leu	Thr	Glu	Arg	Gln
			100					105					110		

Xaa

<210> 6860

<211> 70

<212> PRT

<213> Homo sapiens

<400> 6860

Met	Glu	Arg	Gly	Lys	Ile	Gln	Val	Ser	Thr	Asp	Phe	Ala	Met	Gln	Asn
1				5					10					15	
Val	Leu	Leu	Gln	Met	Gly	Leu	His	Val	Leu	Ala	Val	Asn	Gly	Met	Leu
			20					25					30		
Ile	Arg	Glu	Ala	Arg	Ser	Tyr	Ile	Leu	Arg	Cys	His	Gly	Cys	Phe	Lys
		35					40					45			
Thr	Thr	Ser	Asp	Met	Ser	Arg	Val	Phe	Cys	Ser	His	Cys	Gly	Asn	Lys
	50					55					60				

6079

Thr Leu Lys Lys Cys Pro
65 70

<210> 6861

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6861

Val Ala Pro Thr Gly Pro Met Ala Ala Pro Gly Ala Pro Ala Glu Tyr
1 5 10 15

Gly Tyr Ile Arg Thr Val Leu Gly Gln Gln Ile Leu Gly Gln Leu Asp
20 25 30

Ser Ser Ser Leu Ala Leu Pro Ser Glu Ala Lys Leu Lys Leu Ala Gly
35 40 45

Ser Ser Gly Arg Gly Gly Gln Thr Val Lys Ser Leu Arg Ile Gln Glu
50 55 60

Gln Val Gln Gln Thr Leu Xaa Arg Lys Ala Ala Ala Pro Trp Ala Thr
65 70 75 80

Glu Ile Phe Thr Glu Pro Ala Val Phe
85

<210> 6862

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

6080

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (31)
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<220>
<221> SITE
<222> (36)
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<220>
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<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6862
Ser Xaa Arg Phe Gly Thr Arg Arg Gly Ser Ser His Leu Ser Gln Trp
1 5 10 15

Leu Asn Asn Xaa Phe Ala Leu Pro Phe Ser Xaa Met Ala Ser Xaa Leu

6081

20						25						30					
Asp	Met	Ser	Xaa	Val	Val	Gly	Ala	Gly	Xaa	Lys	His	Thr	Pro	Asp	Ser		
35			40				45										
Xaa	Asn	Lys	Cys	Ser	Xaa	Trp	Gly	Leu	Cys	His	Lys	Leu	His	Arg	Ser		
50			55				60										
Leu	Ser	Ser	Pro	Xaa	Ala	Ser	Gly	Lys	Xaa	Leu	Gln	Leu	His	Ser	His		
65		70				75					80						
His	Pro	Val	Pro	Gln	Lys	Arg	Xaa	Pro	Ile								
85				90													

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<210> 6863
<211> 138
<212> PRT
<213> Homo sapiens
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<400> 6863
Ser Asp Ser Asp Lys Glu Trp Ile Ala Ala Leu Arg Arg Lys Tyr Arg
 1          5          10          15
Ser Arg Glu Gln Thr Leu Ser Ser Ser Gly Glu Ser Trp Glu Thr Leu
          20          25          30
Pro Gly Lys Glu Glu Arg Glu Pro Pro Gln Ala Lys Val Ser Ala Ser
          35          40          45
Thr Gly Thr Ser Pro Gly Pro Gly Ala Ser Ala Ser Ala Gly Ala Gly
          50          55          60
Ala Gly Ala Asn Ala Gly Ser Asn Gly Ser Asn Tyr Leu Glu Glu Val
 65          70          75          80
Arg Glu Pro Ser Leu Gln Glu Glu Gln Ala Ser Leu Glu Glu Gly Glu
          85          90          95
Ile Pro Trp Leu Gln Tyr His Glu Asn Asp Ser Ser Ser Glu Gly Asp
          100          105          110
Asn Asp Ser Gly His Glu Leu Met Gln Pro Gly Val Phe Met Leu Asp
          115          120          125
Gly Asn Thr Thr Leu Lys Met Thr Ser Val
          130          135

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6082

<210> 6864

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6864

Val	Phe	Xaa	Gln	Phe	Asn	Gly	Lys	Arg	Cys	Thr	Asp	Ala	Val	Gly	Asp
1				5					10					15	

Arg	Arg	Gln	Cys	Val	Pro	Thr	Glu	Pro	Cys	Glu	Asp	Ala	Glu	Asp	Asp
			20					25					30		

Cys	Gly	Asn	Asp	Phe	Gln	Cys	Ser	Thr	Gly	Arg	Cys	Ile	Lys	Met	Arg
		35					40					45			

Leu	Arg	Cys	Asn	Gly	Asp	Asn	Asp	Cys	Gly	Asp	Phe	Ser	Asp	Glu	Asp
	50					55					60				

Asp	Cys	Glu	Ser	Glu	Pro	Arg	Pro	Pro	Cys	Arg	Asp	Arg	Val	Val	Glu
65					70					75					80

Glu	Ser	Glu	Leu	Ala	Leu	Thr	Ala	Gly	Tyr	Gly	Ile	Asn	Ile	Leu	Gly
				85					90					95	

Met	Asp	Pro	Leu	Ser	Thr	Pro	Phe	Asp	Asn	Glu	Phe	Tyr	Asn	Gly	Leu
			100					105					110		

Cys	Asn	Arg	Asp	Arg	Asp	Gly	Asn	Thr	Leu	Thr	Tyr	Tyr	Arg	Arg	Pro
			115				120					125			

Trp	Asn	Val	Ala	Ser	Leu	Ile	Tyr	Glu	Thr	Lys	Gly	Glu	Lys	Asn	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6083

130 135 140
 Xaa Thr Glu His Ser Xaa Asn Lys Leu Xaa His Leu Lys Val Ser
 145 150 155

 <210> 6865
 <211> 86
 <212> PRT
 <213> Homo sapiens

 <400> 6865
 Lys Asn Ser Ser Glu Gly Asn Lys His His Lys Ser Thr Pro Leu Leu
 1 5 10 15
 Ile His Cys Arg Asp Gly Ser Gln Gln Thr Gly Ile Phe Cys Ala Leu
 20 25 30
 Leu Asn Leu Leu Glu Ser Ala Glu Thr Glu Glu Val Val Asp Ile Phe
 35 40 45
 Gln Val Val Lys Ala Leu Arg Lys Ala Arg Pro Gly Met Val Ser Thr
 50 55 60
 Phe Glu Gln Tyr Gln Phe Leu Tyr Asp Arg His Cys Gln His Leu Pro
 65 70 75 80
 Cys Ser Glu Trp Thr Arg
 85

<210> 6866
 <211> 53
 <212> PRT
 <213> Homo sapiens

 <400> 6866
 Ile Arg Val Asn Ala Val Asn Pro Thr Val Val Met Thr Ser Met Gly
 1 5 10 15
 Gln Ala Thr Trp Ser Asp Pro His Lys Ala Lys Thr Met Leu Asn Arg
 20 25 30
 Ile Pro Leu Gly Lys Phe Ala Glu Val Glu His Val Val Asn Gly Ile
 35 40 45
 Leu Phe Leu Leu Ser
 50

6084

<210> 6867

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6867

Thr	Met	Xaa	Phe	Phe	Lys	Ile	Leu	Arg	Gly	Gln	Asp	His	Cys	Gly	Xaa
1				5					10					15	

Glu	Ser	Glu	Val	Val	Ala	Gly	Ile	Pro	Arg	Thr	Asp	Gln	Tyr	Trp	Glu
			20					25					30		

Lys Ile

<210> 6868

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6085

<222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6868
 His Ile Xaa Ala Pro Ala Ala Xaa Pro Lys Ala Thr Pro Ile Thr Thr
 1 5 10 15
 Pro Trp Pro Gly Gly Asn Ala Tyr Ile Asp Asn Leu Xaa Ala Asp Gly
 20 25 30
 Asp Leu Xaa Glu Arg Gly Ile Val Ala Thr Arg Thr Arg Xaa Pro Ser
 35 40 45
 Gly Arg Xaa Pro Arg Xaa Thr Xaa Xaa Xaa Leu Thr Gln Ala Glu Val
 50 55 60
 Val Ser Trp Leu Ala Lys Thr Gly Lys Phe Tyr Phe Asn Gly
 65 70 75

6086

<210> 6869

<211> 86

<212> PRT

<213> Homo sapiens

<400> 6869

Lys Arg Gly His Tyr Gly Val Gln Arg Thr Glu Leu Leu Pro Gly Asp
1 5 10 15

Arg Asp Asn Leu Ala Ile Gln Thr Arg Gly Gly Pro Glu Lys His Glu
20 25 30

Val Thr Gly Trp Val Leu Val Ser Pro Leu Ser Lys Glu Asp Ala Gly
35 40 45

Glu Tyr Glu Cys His Ala Ser Asn Ser Gln Gly Gln Ala Ser Ala Ser
50 55 60

Ala Lys Ile Thr Val Val Asp Ala Leu His Glu Ile Pro Val Lys Lys
65 70 75 80

Gly Glu Gly Ala Glu Leu
85

<210> 6870

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

6087

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6870

Asp	Arg	Glu	Gln	Lys	Ser	Tyr	Arg	Gly	His	Ser	Lys	Gln	Gln	His	His
1				5					10					15	

Val	Thr	Thr	Lys	Asp	Leu	His	Leu	Lys	Leu	Asn	Thr	Glu	Cys	Ser	Ile
			20					25					30		

Ser	Thr	Asp	Ser	Lys	Gly	Phe	Pro	Lys	Asn	Ile	Thr	Asn	Asn	Arg	Gly
		35					40					45			

Lys	Lys	Arg	Tyr	Pro	Asp	Ser	Lys	Asp	Leu	Thr	Met	Val	Leu	Lys	Thr
	50					55					60				

Tyr	Asp	Thr	Ser	Phe	Leu	Asp	Phe	Leu	Gln	Lys	Val	Phe	Gly	Met	Gly
65					70					75					80

Asn	Leu	Ser	Leu	Ser	His	Gly	Pro	Arg	Asp	Gln	Ala	Leu	Gln	Ala	Trp
				85					90					95	

Leu	Gly	Ile	Pro	Ser	Val	Phe	Gly	Asn	Leu	Gln	Ala	Thr	Ala	Gln	Ala
			100					105					110		

Pro	Asp	Pro	Gly	Gly	Xaa	Ser	Xaa	Phe	Leu	Phe	Xaa	Pro	Leu	Gly	Asp
		115					120					125			

Lys	Gly	Arg	Asp	Lys	Val	Ser	Arg	Val	Val	Ile	His	Ser	Glu	Gln	Xaa
	130					135					140				

Arg	Gln	Met	Glu	Ile	Xaa	Pro	Lys	Gly	Xaa	Pro	Gly	Glu	Thr	Lys	
145					150					155					

<210> 6871

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

6088

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6871

Gly	Xaa	Trp	Gly	Ile	Ser	Pro	Arg	Gly	Ala	Gly	Tyr	Thr	Phe	Gly	Gln
1				5					10					15	
Asp	Ile	Ser	Glu	Thr	Phe	Asn	His	Ala	Asn	Gly	Leu	Thr	Leu	Val	Ser
			20					25					30		
Arg	Ala	His	Gln	Leu	Val	Met	Glu	Gly	Tyr	Asn	Trp	Cys	His	Asp	Arg
		35					40					45			
Asn	Val	Val	Thr	Ile	Phe	Ser	Ala	Pro	Asn	Tyr	Cys	Tyr	Arg	Cys	Gly
	50					55					60				
Asn	Gln	Ala	Ala	Ile	Met	Glu	Leu	Asp	Asp	Thr	Leu	Lys	Tyr	Ser	Phe
65					70					75					80
Leu	Gln	Phe	Asp	Pro	Ala	Pro	Arg	Arg	Gly	Glu	Pro	His	Val	Thr	Arg
				85					90					95	
Xaa	Thr	Pro	Asp	Tyr	Phe	Leu									
			100												

<210> 6872

<211> 64

<212> PRT

<213> Homo sapiens

<400> 6872

Tyr	Ile	Ala	Ala	Cys	Leu	Leu	Leu	Tyr	Leu	Ser	Asp	Thr	Ile	Ser	Pro
1				5					10					15	
Glu	Gln	Ala	Ile	Asp	Ser	Leu	Arg	Asp	Leu	Arg	Gly	Ser	Gly	Ala	Ile
			20					25					30		
Gln	Thr	Ile	Lys	Gln	Tyr	Asn	Tyr	Leu	His	Glu	Phe	Arg	Asp	Lys	Leu
		35					40					45			
Ala	Ala	His	Leu	Ser	Ser	Arg	Asp	Ser	Gln	Ser	Arg	Ser	Val	Ser	Arg
		50				55					60				

6089

<210> 6873

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (82)

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<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6873

Ile	Thr	His	Gln	Ile	Arg	Val	Leu	Arg	Leu	Thr	Trp	Val	Leu	Val	Trp
1				5					10					15	

Asn	Val	Leu	Leu	Val	Gln	Trp	Glu	Arg	Val	Leu	Lys	Val	Phe	His	Tyr
		20						25					30		

Phe	Glu	Ser	Asn	Ser	Glu	Pro	Thr	Thr	Trp	Ala	Ser	Ile	Xaa	Arg	His
		35					40					45			

Gly	Asp	Ala	Thr	Asp	Val	Arg	Gly	Ile	Ile	Gln	Lys	Ile	Val	Asp	Ser
	50					55					60				

His	Lys	Xaa	Lys	His	Cys	Gly	Leu	Leu	Trp	Ile	Pro	Ala	Ser	Val	Pro
65					70					75					80

Cys	Xaa	Gln	Xaa	Glu	Gly	Ser	Leu	Xaa	Ser
				85					90

6090

<210> 6874

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6874

Arg	Ser	Phe	Gln	Glu	Tyr	Met	Ala	Gln	Met	Glu	Lys	Lys	Leu	Glu	Glu
1				5					10					15	

Glu	Arg	Glu	Asn	Leu	Leu	Arg	Glu	His	Glu	Arg	Leu	Leu	Lys	His	Lys
			20					25					30		

Leu	Lys	Val	Gln	Glu	Glu	Met	Leu	Lys	Glu	Glu	Phe	Gln	Lys	Lys	Ser
		35					40					45			

Glu	Gln	Xaa	Asn	Lys	Glu	Ile	Asn	Gln	Leu	Lys	Glu	Lys	Ile	Glu	Ser
	50					55					60				

Thr	Lys	Asn	Glu	Gln	Val	Lys	Ala	Leu	Lys	Asp	Pro
65					70					75	

<210> 6875

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6875

Pro	Arg	Val	Arg	Leu	Gly	Phe	Phe	Glu	Gly	Ser	Val	Leu	Phe	Pro	Glu
1				5					10					15	

Pro	Leu	Thr	Trp	Met	Asp	Lys	Leu	Val	Val	Glu	Tyr	Ala	Asn	Ala	Ile
			20					25					30		

Cys	Gln	Trp	Glu	Arg	Asn	Lys	Leu	Gln	Cys	Ser	Asp	Thr	Glu	Gln	Val
		35					40					45			

Glu	Ala	Asp	Leu	Glu
				50

6091

<210> 6876
<211> 84
<212> PRT
<213> Homo sapiens

<220>
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<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6876
Gly Pro Ala Gln Ala Xaa Phe Lys Phe Pro Gly Arg Gln Lys Ile His
1 5 10 15
Ile Ser Lys Lys Trp Gly Phe Thr Lys Phe Asn Ala Asp Glu Phe Glu
20 25 30
Asp Met Val Ala Glu Lys Arg Xaa Ala Ser Gln Met Ala Val Gly Ser
35 40 45
Ser Thr Ser Pro Val Val Gly Pro Leu Gly Gln Val Ala Gly Pro Ala
50 55 60
Leu His Gly Gly Leu Ser Asn Val Leu Ala Pro Leu Leu Asn Thr Ser
65 70 75 80
Pro Ile Lys Phe

<210> 6877
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

6092

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6877

Ile	Xaa	Ser	Glu	Leu	Tyr	Val	Arg	Pro	Asp	Asp	Val	His	Val	Asn	Ile
1				5					10					15	

Arg	Leu	Val	Glu	Leu	Tyr	Arg	Ser	Thr	Lys	Arg	Leu	Lys	Asp	Ala	Val
			20					25					30		

Ala	His	Cys	His	Glu	Ala	Arg	Arg	Asn	Ile	Ala	Leu	Xaa	Xaa	Lys	Phe
		35					40					45			

Arg	Val	Glu	Phe	Val	Cys	Cys	Thr	Asp	Pro
	50					55			

<210> 6878

<211> 83

<212> PRT

<213> Homo sapiens

<220>

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<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6878

Thr	Gly	Val	Asp	Ser	Gly	Gly	Ala	Ala	Arg	Arg	Asp	Met	Arg	Leu	Ser
1				5					10					15	

Trp	Phe	Arg	Val	Leu	Thr	Val	Leu	Ser	Ile	Cys	Leu	Ser	Ala	Val	Ala
			20					25					30		

Thr	Ala	Thr	Gly	Ala	Glu	Gly	Lys	Arg	Lys	Leu	Gln	Ile	Gly	Val	Lys
			35				40					45			

Lys	Arg	Val	Asp	His	Cys	Pro	Ile	Lys	Ser	Arg	Lys	Gly	Asp	Val	Leu
		50				55					60				

His	Met	His	Tyr	Thr	Gly	Lys	Leu	Glu	Xaa	Gly	Thr	Xaa	Phe	Asp	Ser
	65					70					75				80

6093

Ser Leu Pro

<210> 6879

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

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<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

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6094

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6879
 Gly Arg Asp Pro Val Arg Ala Pro Ala Pro Ser Asn Xaa Gly Gly Pro
 1 5 10 15

 Glu Pro Xaa Trp Arg Ser Pro Xaa Pro Leu Ser Ala Ser Leu His Xaa
 20 25 30

 Thr Ser Pro His Pro Xaa Gly Leu Trp Thr Thr Thr Xaa Xaa Arg Ala
 35 40 45

 Xaa Ala Gly Arg Gly Gly Ala Xaa Gly Pro Xaa Gly Pro Xaa Xaa Gly
 50 55 60

 Xaa Lys Ile Cys Gln Phe Lys Leu Xaa Leu Leu Gly Glu Ser Ser Val
 65 70 75 80

 Gly Lys Ser Ser Leu Val Leu Arg Phe Phe Lys Gly Gln Phe Tyr Xaa

6095

85

90

95

Tyr His Glu Ser Thr Ile
100

<210> 6880

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6880

Ala Leu Glu Met Leu Leu Ala Ala Trp Gly Lys Ser Ser Leu Thr Ile
1 5 10 15

Gln Phe Val Glu Gly Gln Phe Val Asp Ser Tyr Asp Pro Thr Ile Glu
20 25 30

Asn Thr Phe Thr Lys Leu Ile Thr Val Lys Trp Thr Xaa Leu Ser Cys
35 40 45

Xaa Thr Cys Arg His Ser Arg Ala Lys Met Asn Ile Leu Ser Phe Pro
50 55 60

Ser Gly His Thr Pro
65

<210> 6881

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6096

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<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6881
Thr Leu Arg Pro Thr Gln Thr Xaa Asn Xaa Tyr Tyr Cys Ala Arg His
1 5 10 15
Thr Asn Gln Xaa His Pro Xaa Tyr Arg Met Lys Arg Trp Ile Asp Pro
20 25 30
Trp Gly Xaa Gly Thr Xaa Val Thr Asp Xaa Ser
35 40

<210> 6882
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

6097

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6882

Arg	Arg	Ile	Lys	Asp	Phe	Leu	Leu	Thr	Ala	Arg	Arg	Lys	Asp	Ala	Lys
1				5					10					15	

Ser	Val	Lys	Ile	Lys	Lys	Asn	Lys	Asp	Asn	Val	Lys	Phe	Lys	Val	Arg
			20					25					30		

Cys	Ser	Arg	Tyr	Leu	Tyr	Thr	Leu	Val	Xaa	Thr	Asp	Lys	Glu	Lys	Ala
		35					40					45			

Xaa	Lys	Leu	Lys	Gln	Ser	Leu	Pro	Pro	Arg	Phe	Ala	Gln
	50					55					60	

<210> 6883

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6098

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 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6883
 Gln Asp Gln Gly Glu Lys Glu Asn Pro Met Arg Glu Leu Arg Ile Arg
 1 5 10 15
 Lys Leu Cys Xaa Asn Ile Cys Val Gly Glu Ser Gly Xaa Arg Leu Thr
 20 25 30
 Arg Ala Ala Lys Val Xaa Glu Gln Leu Thr Gly Gln Thr Xaa Val Xaa
 35 40 45
 Ser Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn Glu
 50 55 60
 Lys Ile Ala Val His Cys Thr Val Leu Gly Ala Lys Ala Glu Glu Ile
 65 70 75 80
 Leu Glu Xaa Gly Leu Lys Val Arg Glu Tyr Xaa Leu Xaa Xaa Asn Asn
 85 90 95
 Phe Ser Asp Xaa Gly Asn Phe
 100

<210> 6884
 <211> 102
 <212> PRT

6099

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6884

Phe	Ala	Lys	Met	Thr	Asn	Thr	Lys	Gly	Lys	Arg	Arg	Gly	Thr	Arg	Tyr
1				5					10					15	

Met	Phe	Ser	Arg	Pro	Phe	Xaa	Lys	His	Gly	Val	Val	Pro	Leu	Ala	Thr
			20					25					30		

Tyr	Met	Arg	Ile	Tyr	Lys	Lys	Gly	Asp	Ile	Val	His	Ile	Lys	Gly	Met
			35					40					45		

6100

Gly Thr Val Xaa Lys Gly Met Pro His Lys Cys Tyr His Gly Ile Thr
 50 55 60

Gly Xaa Val Tyr Xaa Val Thr Xaa Xaa Ala Val Gly Ile Val Val Asn
 65 70 75 80

Lys Gln Val Xaa Gly Lys Ile Leu Ala Lys Arg Ile Asn Val Arg Ile
 85 90 95

Glu His Ile Xaa His Ser
 100

<210> 6885

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6885

Xaa Pro Lys Ala Lys Lys Glu Ala Pro Ala Pro Pro Lys Ala Glu Ala
 1 5 10 15

Lys Ala Lys Ala Leu Lys Ala Lys Lys Ala Val Leu Lys Gly Val His
 20 25 30

Ser His Lys Lys Lys Lys Ile Arg Thr Ser Pro Thr Phe Arg Arg Pro
 35 40 45

Lys Thr Leu Arg Leu Arg Arg Gln Pro Lys Tyr Pro Arg Lys Ser Ala
 50 55 60

Pro Arg Arg Asn Lys Leu Asp His Tyr Ala Ile Ile Lys Phe Pro Leu
 65 70 75 80

Thr Thr Glu Ser Ala Met Lys Lys Ile Glu Asp Asn Asn Thr Leu Val
 85 90 95

Phe Ile Val Asp Val Lys Ala Asn Lys His Gln Ile Lys Gln Ala Val
 100 105 110

Lys Lys Leu Tyr Asp Ile Asp Val Ala Lys Val Asn Thr Leu Ile Arg
 115 120 125

Pro Asp Gly Glu Lys Lys Ala Tyr Val Arg Leu Ala Pro Asp Tyr Asp

6101

130 135 140

Ala Leu Asp Val Ala Asn Lys Ile Gly Ile Ile
145 150 155

<210> 6886
<211> 37
<212> PRT
<213> Homo sapiens

<220>
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<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
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<400> 6886
Asn Leu Gly Xaa Trp Cys Leu Ser Trp Leu Gly Arg Tyr Ser Gly Arg
1 5 10 15
Lys Xaa Val Ile Val Lys Xaa Xaa Asp Asp Gly Thr Ser Xaa Arg Pro
20 25 30
Tyr Ser His Ala Leu
35

<210> 6887
<211> 143

6102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6887

Met	Ile	Thr	Pro	Phe	Leu	Ile	Arg	Leu	Xaa	Ile	Gly	Lys	Ala	Gly	Thr
1				5					10					15	

Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Val
			20					25					30		

Ala	Ala	Ala	Glu	Gly	Ala	Ala	Ala	Met	Ser	Ala	His	Leu	Gln	Trp	Met
		35					40					45			

Val	Val	Arg	Asn	Cys	Ser	Ser	Phe	Leu	Ile	Lys	Arg	Asn	Lys	Gln	Thr
	50					55					60				

Tyr	Ser	Thr	Glu	Pro	Asn	Asn	Leu	Lys	Ala	Arg	Asn	Ser	Phe	Arg	Tyr
65					70					75					80

Asn	Gly	Leu	Ile	His	Arg	Lys	Thr	Val	Gly	Trp	Ser	Arg	Gln	Pro	Thr
				85					90					95	

Gln	Ser	Ser	Gly	Gly	Ser	Leu	Thr	Glu	Ser	Gly	Thr	Glu	Pro	Ala	Thr
			100					105					110		

Pro	Met	Cys	Asp	Thr	Ser	Thr	Asp	Val	Arg	Pro	Ser	His	Ser	Thr	Tyr
		115					120					125			

Pro	Lys	His	Thr	Pro	Leu	Pro	Xaa	His	Xaa	Ala	Xaa	Ser	Pro	Gln	
	130						135				140				

6103

<210> 6888

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

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<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

6104

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6888

His	Glu	Arg	Lys	Glu	Gly	Xaa	Arg	Xaa	Xaa	Xaa	Arg	Xaa	Phe	Xaa	His
1				5				10					15		

Gln	Arg	Met	Ile	Thr	Arg	Glu	Tyr	Xaa	Ile	Asn	Ile	His	Asn	Arg	Ile
			20					25					30		

His	Xaa	Val	Gly	Phe	Lys	Xaa	Arg	Ala	Pro	Arg	Ala	Leu	Xaa
		35					40					45	

<210> 6889

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6889

Xaa	Xaa	Thr	Xaa	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
1				5				10					15		

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
			20					25					30		

Ser	Ala	Arg	Gly	Cys	Leu	Gln	Ala	Leu	Arg	Met	Val	Gln	Arg	Leu	Thr
		35					40					45			

Tyr	Arg	Arg	Arg	Leu	Ser	Tyr	Asn	Thr	Ala	Ser	Asn	Lys	Thr	Arg	Leu
				50			55				60				

6105

Ser Arg Thr Pro Gly Asn Arg Ile Val Tyr Leu Tyr Thr Lys Lys Val
 65 70 75 80
 Gly Lys Ala Pro Lys Ser Ala Cys Gly Val Cys Pro Gly Arg Leu Arg
 85 90 95
 Gly Val Arg Ala Val Arg Pro Lys Val Leu Met Arg Leu Ser Lys Thr
 100 105 110
 Lys Lys His Val Ser Arg Ala Tyr Gly Gly Ser Met Cys Ala Lys Cys
 115 120 125
 Val Arg Asp Arg Ile Lys Arg Ala Phe Leu Ile Glu Glu Gln Lys Ile
 130 135 140
 Val Val Lys Val Leu Lys Ala Gln Ala Gln Ser Gln Lys Ala Lys
 145 150 155

<210> 6890

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6890

Cys Thr Ala Thr Leu Gly Xaa Phe Ala Lys Ala Thr Phe Asp Ala Ile
 1 5 10 15
 Ser Lys Thr Tyr Ser Tyr Leu Thr Pro Asp Leu Trp Lys Glu Thr Val
 20 25 30
 Phe Thr Lys Ser Pro Tyr Gln Glu Phe Thr Asp His Leu Val Xaa Thr
 35 40 45
 His Thr Arg Val Ser Val Gln Arg Thr Gln Ala Pro Ala Val Ala Thr
 50 55 60
 Thr
 65

6106

<210> 6891

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6891

Val	Xaa	Ala	Ser	Lys	Met	Thr	Lys	Lys	Arg	Arg	Asn	Asn	Gly	Arg	Ala
1				5					10					15	

Lys	Lys	Gly	Arg	Gly	His	Val	Gln	Pro	Ile	Arg	Cys	Thr	Asn	Cys	Ala
			20					25					30		

Arg	Cys	Val	Pro	Lys	Asp	Lys	Ala	Ile	Lys	Lys	Phe	Val	Ile	Arg	Asn
		35					40					45			

Ile	Val	Glu	Ala	Ala	Ala	Val	Arg	Asp	Ile	Ser	Glu	Ala	Ser	Val	Phe
	50					55					60				

Asp	Ala	Tyr	Val	Leu	Pro	Lys	Leu	Tyr	Val	Lys	Leu	His	Tyr	Cys	Val
65					70					75					80

Ser	Cys	Ala	Ile	His	Ser	Lys	Val	Val	Arg	Asn	Arg	Ser	Arg	Glu	Ala
				85					90					95	

Arg	Lys	Asp	Arg	Thr	Pro	Pro	Pro	Arg	Phe	Arg	Pro	Ala	Gly	Ala	Ala
				100				105					110		

Pro	Arg	Pro	Pro	Pro	Lys	Pro	Met
		115				120	

<210> 6892

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6107

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6892

Gly	His	His	Gln	Leu	Xaa	Trp	Asn	His	Pro	Arg	Xaa	Tyr	Gly	His	Gly
1				5					10					15	

Xaa	Arg	Ser	Cys	Arg	Val	Cys	Ser	Asn	Arg	His	Gly	Leu	Ile	Arg	Lys
			20					25					30		

Tyr	Gly	Leu	Asn	Met	Cys	Arg	Gln	Cys	Phe	Arg	Gln	Tyr	Ala	Lys	Asp
		35					40					45			

Ile	Gly	Phe	Ile	Lys	Leu	Asp	Xaa	Met	Leu	Phe	Leu	His	Arg	Ile	Ile
	50					55					60				

Arg	Gly	Ile	Tyr	Ser	Met	Lys	Asn	His	Asp	Asn	Ser	Leu	Tyr	Ile	Lys
65						70				75					80

<210> 6893

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6893

Ala	Ser	Glu	Ala	Phe	Ser	Cys	Phe	Lys	Met	Lys	Leu	Asn	Ile	Ser	Phe
1				5					10					15	

Pro	Ala	Thr	Gly	Cys	Gln	Lys	Leu	Ile	Glu	Val	Asp	Asp	Glu	Arg	Lys
			20					25					30		

6108

Leu Arg Thr Phe Tyr Glu Lys Arg Met Ala Thr Glu Val Ala Ala Asp
 35 40 45
 Ala Leu Gly Glu Glu Trp Lys Gly Tyr Val Val Arg Ile Xaa Gly Gly
 50 55 60
 Asn Asp Lys Gln Gly Phe Pro Met Lys Gln Gly Val Leu Thr His Gly
 65 70 75 80
 Arg Val Arg Cys Tyr
 85

<210> 6894

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6894

Phe Gly Arg Gly His Arg Thr Gln Lys Glu Ile Glu Gln Glu Ala Ala
 1 5 10 15
 Val Glu Leu Ser Gln Leu Arg Asp Pro Gln His Asp Leu Asp Arg Val
 20 25 30
 Lys Lys Pro Glu Trp Val Ile Leu Ile Gly Val Cys Thr Xaa Ser Trp
 35 40 45
 Ala Val Tyr Pro Leu Ala Asn Ala Gly Arg Ile Leu Val Val Ile Thr
 50 55 60
 Ala Leu Ala Met Gly His Thr Tyr Asp Ala Ser Gly Gln Asp Pro Asp
 65 70 75 80
 Trp Val Leu Leu Leu Phe Asn Leu Glu Val Pro His Gly Ile Glu Phe
 85 90 95
 His Gln

<210> 6895

<211> 40

<212> PRT

6109

<213> Homo sapiens

<400> 6895

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Ser Ser Gly Leu Ser Ser Ala Ser Leu Ser Val Lys Ala Ile Lys Glu
 1             5             10             15

Ala Ile Asp Tyr Leu Thr Val Glu Gly His Ile Tyr Pro Thr Val Asp
                20             25             30

Arg Glu His Phe Lys Ser Ala Asp
          35             40

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<210> 6896

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6896

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Ala Gln Ala Ser Arg Ser Arg Trp Glu Leu Pro Pro Gly Ala Val Thr
 1             5             10             15

Met Thr Gly Glu Leu Glu Val Lys Asn Met Asp Met Lys Pro Gly Ser
                20             25             30

Thr Leu Lys Ile Thr Gly Xaa Ile Ala Asp Gly Thr Asp Gly Phe Val
          35             40             45

Ile Asn Leu Gly Gln Gly Thr Asp Lys Leu Asn Leu His Phe Asn Pro
          50             55             60

Arg Phe Ser Glu Ser Thr Ile Val Cys Asn Ser Leu Asp Gly Ser Asn
          65             70             75             80

Trp Gly Gln Glu Gln Arg Glu Asp His Leu Cys Phe Ser Pro Arg Ser
                85             90             95

Glu Val Lys Phe Thr Val Thr Phe
          100

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<210> 6897

<211> 91

<212> PRT

6110

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6897

Arg Gln Phe Met Gly Met Ile Ile Asp Val Phe Ser Arg Tyr Ser Gly
1 5 10 15

Ser Glu Gly Ser Thr Gln Thr Leu Thr Lys Gly Glu Leu Lys Val Leu
20 25 30

Met Glu Lys Glu Leu Pro Gly Phe Leu Gln Ser Gly Lys Asp Lys Asp
35 40 45

Ala Val Asp Lys Leu Leu Lys Asp Leu Asp Ala Asn Gly Asp Ala Gln
50 55 60

Val Asp Phe Ser Glu Phe Ile Val Phe Val Ala Ala Ile Thr Ser Ala
65 70 75 80

Cys His Lys Tyr Phe Xaa Lys Ala Gly Leu Lys
85 90

<210> 6898

<211> 158

<212> PRT

<213> Homo sapiens

<220>

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<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (91)

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<220>

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<222> (94)

6111

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

6112

<220>

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<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6898

Gly	Thr	Ser	Gly	Asn	Phe	Lys	Gly	Met	Lys	Ile	Lys	Pro	Gly	Ser	Met
1				5					10					15	

Gly	Lys	Pro	Ser	Pro	Ala	Phe	Asp	Val	Lys	Xaa	Val	Asp	Val	Asn	Gly
			20					25					30		

Asn	Val	Leu	Pro	Pro	Gly	Gln	Glu	Gly	Asp	Ile	Gly	Ile	Gln	Val	Leu
		35					40					45			

Pro	Asn	Arg	Pro	Phe	Gly	Leu	Phe	Thr	His	Tyr	Val	Asp	Asn	Pro	Ser
	50					55					60				

Lys	Thr	Ala	Ser	Thr	Leu	Arg	Gly	Asn	Ser	Ile	Ser	Leu	Gly	Thr	Glu
65					70					75					80

Asp	Ile	Trp	Ile	Lys	Met	Gly	Ile	Ser	Xaa	Xaa	Phe	Ala	Xaa	Ala	Asp
				85					90					95	

Val	Gly	Xaa	Tyr	Xaa	Leu	Val	Xaa	Asp	Leu	Ala	Pro	Leu	Gly	Gly	Lys
			100					105					110		

Ser	Pro	Ile	Xaa	Thr	Pro	Xaa	Phe	Arg	Val	Pro	Phe	Phe	Lys	Xaa	Pro
		115					120					125			

Thr	Pro	Ser	Arg	Gly	Xaa	Val	Lys	Val	Xaa	Gly	Phe	Lys	Thr	Xaa	Phe
	130					135					140				

Xaa	Xaa	Xaa	Phe	Arg	Ala	Pro	Phe	Lys	Gly	Phe	Arg	Gly	Phe
145					150					155			

<210> 6899

<211> 109

<212> PRT

<213> Homo sapiens

<220>

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6113

<222> (4)
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<220>
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<222> (104)

6114

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6899

Val	Lys	Phe	Xaa	Val	Ala	Glu	Gly	Lys	Gln	Xaa	Glu	Ile	Gln	His	Lys
1				5					10					15	
Gly	Gln	Ala	Glu	Lys	Lys	Glu	Leu	Gln	His	Lys	Ile	Asp	Glu	Met	Glu
			20					25					30		
Glu	Lys	Glu	Gln	Glu	Leu	Gln	Ala	Lys	Ile	Glu	Ala	Leu	Gln	Ala	Asp
			35				40					45			
Asn	Asp	Phe	Thr	Asn	Glu	Arg	Leu	Thr	Ala	Leu	Gln	Glu	Lys	Leu	Thr
	50					55					60				
Val	Glu	Xaa	His	Xaa	Thr	Lys	Ala	Val	Glu	Glu	Thr	Lys	Leu	Ser	Lys
	65					70				75					80
Glu	Asn	Xaa	Thr	Xaa	Xaa	Lys	Glu	Ser	Asp	Phe	Ser	Asp	Thr	Leu	Xaa
				85					90					95	
Pro	Xaa	Lys	Glu	Asn	Xaa	Lys	Xaa	Arg	Ala	Val	Ala	Leu			
			100					105							

<210> 6900

<211> 92

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

6115

<220>
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 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6900
 Tyr Phe Xaa Xaa Trp Ser Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly
 1 5 10 15
 Ser Ile Xaa Arg Val Leu Glu Met Thr Pro Gln Gln Gly Asp Val Tyr
 20 25 30
 Xaa Xaa Gln Val Glu His Thr Ser Leu Asp Ser Pro Val Thr Val Glu
 35 40 45
 Trp Lys Ala Gln Ser Asp Ser Ala Arg Ser Lys Thr Leu Thr Gly Ala
 50 55 60
 Gly Gly Phe Val Leu Gly Leu Ile Ile Cys Gly Val Gly Xaa Phe Met
 65 70 75 80
 His Arg Arg Asn Lys Lys Val Gln Arg Gly Ser Ala
 85 90

<210> 6901
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6901
 Ile Arg Xaa Arg Asn Arg Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly
 1 5 10 15
 Xaa Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala Glu Cys Thr Phe

6116

20

25

30

<210> 6902

<211> 55

<212> PRT

<213> Homo sapiens

<400> 6902

Gly Thr Ala Thr Gln Gly Leu Ser Pro Val His Thr Pro Gly Asp Gly
1 5 10 15

Arg Leu His Lys Ala Val Ser Val Gly Pro Arg Val His Ile Ile Glu
20 25 30

Glu Leu Gln Ile Phe Ser Ser Gly Gln Pro Val Ala Glu Ser Ala Pro
35 40 45

Gly Thr Pro Thr Gly Gly Leu
50 55

<210> 6903

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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6117

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6903

Gly	Tyr	Gln	Pro	Glu	Asn	Pro	Tyr	Pro	Ala	Gln	Pro	Thr	Val	Val	Pro
1				5					10					15	

Thr	Val	Tyr	Xaa	Val	His	Pro	Ala	Gln	Tyr	Tyr	Pro	Ser	Pro	Val	Pro
			20					25					30		

Gln	Tyr	Xaa	Pro	Arg	Val	Leu	Thr	Gln	Ala	Ser	Asn	Pro	Val	Val	Cys
		35					40				45				

Thr	Gln	Ala	Lys	Ser	Pro	Ser	Gly	Thr	Val	Cys	Thr	Ser	Lys	Thr	Lys
	50					55					60				

Lys	Ala	Leu	Cys	Ile	Thr	Leu	Thr	Trp	Gly	Leu	Pro	Pro	Gly	Asn	Cys
65					70					75				80	

Ala	Gly	Arg	Trp	Pro	Thr	Leu	Glu	Ile	His	Gly	Gln	Gln	Met	Leu	Gln
				85					90					95	

Leu	Trp	Asp	Arg	Met	Arg	Ile	Leu	Lys	Phe	Cys	Ile	Asn	Pro	Xaa	Thr
			100					105					110		

Gly	Val	Ile	Ala	Xaa	Gln	Leu	Pro	Xaa	Gly	Glu	Glu	Lys	Asn	Xaa	Cys
		115					120					125			

Ser	Xaa	Phe	Gln	Thr	Ser
	130				

<210> 6904

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

6118

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

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<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6904

Pro	Gln	Xaa	Ser	Leu	Xaa	Gly	Thr	Pro	Thr	Glu	Glu	Thr	Trp	Pro	Gly
1				5					10					15	

Val	Thr	Arg	Ile	Ser	Glu	Xaa	Arg	Thr	Tyr	Ser	Phe	Pro	Cys	Tyr	Leu
			20					25					30		

Pro	Gln	Pro	Ala	His	Gln	Pro	Arg	Arg	Pro	Gly	Xaa	Ile	Arg	Met	Ala
		35					40					45			

Ser	Thr	Ser
	50	

<210> 6905

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6905

His	Gly	Asn	Val	Pro	Leu	His	Tyr	Ala	Cys	Phe	Trp	Gly	Gln	Asp	Gln
1				5					10					15	

Val	Ala	Glu	Asp	Leu	Val	Ala	Asn	Gly	Ala	Leu	Val	Ser	Ile	Cys	Asn
			20					25					30		

Lys	Tyr	Gly	Glu	Met	Pro	Val	Asp	Lys	Ala	Lys	Ala	Pro	Leu	Arg	Glu
			35				40					45			

Leu	Leu	Arg	Glu	Arg	Ala	Glu	Lys	Met	Gly	Gln	Asn	Leu	Asn	Arg	Ile
	50						55				60				

Pro	Tyr	Lys	Asp	Thr	Phe	Trp	Lys	Gly	Thr	Thr	Arg	Thr	Arg	Pro	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6119

65

70

75

80

Glu Ser Pro Leu Trp Glu Glu Gly Leu
85

<210> 6906

<211> 111

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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6120

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6906

Cys	Ser	Xaa	Thr	Ile	Gly	Glu	Lys	Xaa	Xaa	Gln	Lys	Glu	Pro	Xaa	Gly
1				5				10						15	

Xaa	Asp	Xaa	Ser	Val	Pro	Glu	Asn	Val	Leu	Ser	Xaa	Asp	Asp	Leu	Thr
			20					25					30		

Ala	Asp	Ala	Leu	Ala	Asn	Leu	Xaa	Xaa	Pro	Gln	Ile	Lys	Lys	Val	Arg
		35					40					45			

Leu	Leu	Ile	Asp	Glu	Ala	Ile	Leu	Lys	Cys	Asp	Ala	Glu	Gly	Xaa	Lys
	50					55					60				

Leu	Glu	Ala	Glu	Arg	Phe	Glu	Asn	Leu	Arg	Glu	Ile	Gly	Asn	Leu	Leu
65					70					75					80

His	Pro	Ser	Val	Pro	Ile	Ser	Asn	Asp	Glu	Val	Gly	Gly	Cys	Ala	Ala
				85					90					95	

Ala	Gly	Gly	Cys	Leu	Arg	Ser	Leu	Leu	Ser	Leu	Gln	Gly	Arg	Gly
			100					105					110	

<210> 6907

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6121

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6907

Cys	Val	Ala	Gly	Xaa	Asp	Glu	Gln	Ser	Thr	Gln	Met	Ala	Ala	Arg	Xaa
1				5					10					15	
Glu	Asp	Asp	Lys	Val	Thr	Glu	Ala	Ser	Ser	Asn	Arg	Xaa	Ala	Ala	Ile
			20					25					30		
Lys	Ile	Xaa	Thr	Lys	Ser										
				35											

<210> 6908

<211> 137

<212> PRT

<213> Homo sapiens

<400> 6908

Leu	Gln	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Arg
1				5					10					15	
Ser	Pro	Ala	Lys	Thr	Ile	Ala	Pro	Gln	Asn	Ala	Pro	Arg	Asp	Glu	Ser
			20					25					30		
Arg	Gly	Arg	Ser	Ser	Phe	Tyr	Pro	Asp	Gly	Gly	Asp	Gln	Glu	Thr	Ala
			35				40					45			
Lys	Thr	Gly	Lys	Phe	Leu	Lys	Arg	Phe	Thr	Asp	Glu	Glu	Ser	Arg	Val
	50					55					60				
Phe	Leu	Leu	Asp	Arg	Gly	Asn	Thr	Arg	Asp	Lys	Glu	Ala	Ser	Lys	Glu
65					70					75					80
Lys	Gly	Ser	Glu	Lys	Gly	Arg	Ala	Glu	Gly	Glu	Trp	Glu	Asp	Gln	Glu
				85					90					95	
Ala	Leu	Asp	Tyr	Phe	Ser	Asp	Lys	Glu	Ser	Gly	Lys	Gln	Lys	Phe	Asn
			100					105					110		
Asp	Ser	Glu	Gly	Asp	Asp	Thr	Glu	Glu	Thr	Glu	Asp	Tyr	Arg	Gln	Phe
			115				120					125			

6122

Arg Lys Ser Ser Pro Arg Arg Ser Gly
 130 135

<210> 6909

<211> 33

<212> PRT

<213> Homo sapiens

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6909

Pro Val Ser Gly Val Pro Arg Arg Xaa Xaa Arg Ile Ala Gly Lys Arg
 1 5 10 15

Val Cys Xaa Met Glu Ser Gly Xaa Ala Gly Cys Phe Ser Pro Lys Ile
 20 25 30

Xaa

<210> 6910

<211> 112

<212> PRT

<213> Homo sapiens

6123

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<400> 6910
 Xaa Thr Xaa Xaa Ser Cys Arg Tyr Leu Gly Gln Glu Xaa Pro Gly Arg
 1 5 10 15
 Pro Thr Arg Pro Met Ala Glu Tyr Asp Leu Thr Thr Xaa Ile Ala His
 20 25 30
 Phe Leu Asp Arg His Leu Val Phe Pro Leu Leu Glu Phe Leu Ser Val
 35 40 45
 Lys Glu Ile Tyr Asn Glu Lys Glu Leu Leu Gln Gly Lys Leu Asp Leu
 50 55 60
 Leu Ser Asp Thr Asn Met Val Asp Phe Ala Met Asp Val Tyr Lys Asn
 65 70 75 80
 Leu Tyr Ser Asp Asp Ile Pro His Ala Leu Arg Glu Lys Arg Thr Thr
 85 90 95
 Val Val Ala Gln Leu Lys Gln Ala Ser Gly Xaa Asn Gln Asn Gln Leu

6124

100

105

110

<210> 6911

<211> 114

<212> PRT

<213> Homo sapiens

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<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

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<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6911

Asn	Tyr	Glu	Thr	Ile	Glu	Gln	Lys	Lys	Ala	Tyr	Glu	Ile	Ala	Gly	Leu
1				5					10					15	

Leu	Gly	Asp	Ile	Gly	Gly	Gln	Met	Gly	Leu	Phe	Ile	Gly	Ala	Ser	Ile
		20						25					30		

Leu	Thr	Val	Leu	Glu	Leu	Phe	Asp	Tyr	Ala	Tyr	Glu	Val	Ile	Lys	His
		35					40					45			

Lys	Leu	Cys	Arg	Arg	Gly	Lys	Cys	Gln	Lys	Glu	Ala	Lys	Arg	Ser	Ser
	50					55					60				

Ala	Asp	Lys	Gly	Val	Ala	Leu	Thr	Trp	Thr	Thr	Ser	Lys	Asp	Thr	Thr
65					70					75					80

Arg	Cys	Glu	Asn	Leu	Arg	Gly	His	Pro	Ala	Gly	Met	Thr	Tyr	Ala	Trp
				85					90					95	

6125

Gln His Ser Thr Leu Xaa Ile Arg Ala Glu Gly Leu Xaa Arg Xaa Leu
 100 105 110

Leu Xaa

<210> 6912

<211> 81

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<213> Homo sapiens

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<400> 6912

Tyr Tyr Asn Gly Ala Ala Val Ile Xaa His Glu Arg Val Gln Lys Thr
 1 5 10 15

6126

Phe Pro His Pro Ile Asp Lys Trp Ala Xaa Ala Asp Ala Gln Ser Ala
 20 25 30

Ile Glu Lys Gln Lys Arg Arg Asn Pro Leu Leu Leu Pro Val Asp Xaa
 35 40 45

Ile His Pro Ser Xaa Xaa Glu Leu Leu Gly Tyr Lys Met Arg Leu Pro
 50 55 60

Cys Ile Pro Ile Xaa Cys Gly Cys Thr Thr Xaa Tyr Leu Ser Leu Ile
 65 70 75 80

Phe

<210> 6913

<211> 50

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<400> 6913

Xaa Ser Gly Tyr Tyr Pro Gly Gly Tyr Xaa Gly Ala Pro Gly Trp Pro
 1 5 10 15

6127

Ala Phe Pro Arg His Pro Leu Asp Pro Leu Phe Gly Xaa Phe Ala Ala
20 25 30
Val Ala Gly Gln Asp Gly Pro Ile Asp Ala Asp Glu Phe Leu Xaa Cys
35 40 45
Xaa Thr
50

<210> 6914

<211> 125

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6128

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<400> 6914

Arg	Gly	Cys	Leu	Gly	Leu	Gly	Cys	Pro	Leu	His	Leu	His	Val	Phe	Ala
1				5					10					15	

Xaa	Val	Ser	Ala	Met	Leu	Pro	Leu	Leu	Arg	Cys	Val	Pro	Arg	Val	Leu
			20					25					30		

Gly	Ser	Ser	Val	Ala	Gly	Leu	Arg	Ala	Ala	Ala	Pro	Ala	Ser	Pro	Phe
		35					40					45			

Arg	Gln	Leu	Leu	Gln	Pro	Ala	Pro	Arg	Leu	Cys	Thr	Arg	Pro	Phe	Gly
	50					55					60				

Leu	Leu	Ser	Val	Arg	Ala	Gly	Ser	Glu	Arg	Xaa	Pro	Gly	Leu	Xaa	Arg
65					70					75					80

Xaa	Arg	Gly	Pro	Cys	Ala	Xaa	Gly	Cys	Gly	Cys	Gly	Ser	Leu	Xaa	Thr
				85					90					95	

Xaa	Gly	Asp	Lys	Ala	Phe	Val	Asp	Tyr	Leu	Ser	Asp	Glu	Ile	Xaa	Glu
			100					105					110		

Glu	Arg	Lys	Ile	Xaa	Lys	His	Lys	Thr	Leu	Pro	Lys	Met
		115					120					125

<210> 6915

<211> 124

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<213> Homo sapiens

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<222> (115)

6129

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6915

Glu	Lys	Leu	Ile	Xaa	Pro	Arg	Thr	Lys	Ala	Ile	Ile	Pro	Val	Asp	Ile
1				5				10				15			
Gly	Gly	Phe	Pro	Ala	Asp	Tyr	Ser	Glu	Ile	Leu	Asp	Leu	Val	Glu	Arg
			20					25				30			
Lys	Lys	Asp	Ile	Phe	Asn	Pro	Lys	Lys	Gly	Thr	Tyr	Gln	Glu	Lys	Leu
		35					40					45			
Gly	Arg	Ile	Leu	Val	Leu	Ala	Asp	Ser	Ala	His	Ser	Phe	Gly	Ser	Ser
	50					55					60				
Tyr	Lys	Gly	Lys	Lys	Ile	Gly	Ser	Val	Ala	Asp	Val	Thr	Ser	Phe	Ser
65					70					75					80
Phe	His	Ala	Ile	Lys	Asn	Leu	Thr	Thr	Ala	Glu	Gly	Gly	Ala	Leu	Thr
				85					90					95	
Trp	Asn	Leu	Pro	Asn	Asn	Phe	Asp	Asn	Glu	Gln	Ile	Tyr	Lys	Glu	Leu
			100					105					110		
Met	Leu	Xaa	Ala	Leu	His	Gly	Lys	Ile	Arg	Met	His				
		115					120								

<210> 6916

<211> 123

<212> PRT

<213> Homo sapiens

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6130

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<222> (121)

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<400> 6916

Met	Phe	His	Phe	Ser	Lys	Leu	Asp	Leu	Glu	Thr	Leu	Ile	Ile	Phe	Leu
1				5					10					15	

Ile	Trp	Lys	Arg	Gln	Pro	Lys	Lys	Cys	Thr	Ser	Ala	Tyr	Pro	Leu	Gln
			20					25					30		

Pro	Glu	Asp	Val	Asn	Leu	Arg	Val	Ile	Ser	Glu	Tyr	Gln	Lys	Leu	Phe
		35					40					45			

Pro	Asp	Ile	Pro	Ile	Gly	Tyr	Ser	Gly	His	Glu	Thr	Gly	Ile	Ala	Ile
	50					55					60				

Ser	Val	Ala	Ala	Val	Ala	Leu	Gly	Ala	Lys	Val	Leu	Glu	Arg	His	Ile
65						70				75					80

Thr	Leu	Xaa	Lys	Thr	Trp	Xaa	Gly	Ser	Asp	His	Ser	Asp	Ser	Leu	Glu
				85					90					95	

Pro	Gly	Glu	Leu	Gly	Glu	Ala	Gly	Ala	Val	Ser	Ala	Ser	Cys	Xaa	Xaa
			100					105					110		

Val	Pro	Trp	Ala	Pro	Gln	Ala	Lys	Xaa	Leu	Thr
							115		120	

<210> 6917

<211> 54

<212> PRT

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6131

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6917

Gly	Ser	Leu	Gln	Ser	Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr
1				5					10					15	

Ser	Leu	Trp	Tyr	Thr	Phe	Gly	Gln	Gly	Thr	Asn	Leu	Glu	Ile	Lys	Arg
			20					25					30		

Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp	Lys	Thr
		35					40					45			

Ile	Xaa	Xaa	Xaa	Xaa	Xaa
	50				

<210> 6918

<211> 102

<212> PRT

<213> Homo sapiens

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6132

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<400> 6918

Ser	Ser	Asp	Ile	Met	Glu	Ser	Gly	Lys	Thr	Ala	Ser	Pro	Lys	Ser	Met
1				5					10					15	

Pro	Lys	Asp	Ala	Gln	Xaa	Met	Ala	Gln	Ile	Leu	Lys	Asp	Met	Gly	Ile
		20						25					30		

Thr	Glu	Tyr	Glu	Pro	Arg	Val	Ile	Asn	Gln	Xaa	Leu	Glu	Phe	Ala	Phe
		35					40					45			

Arg	Tyr	Val	Thr	Thr	Ile	Leu	Asp	Asp	Ala	Lys	Ile	Tyr	Ser	Ser	His
	50					55					60				

Ala	Lys	Lys	Thr	Ser	Val	Asp	Ala	Xaa	Tyr	Val	Arg	Trp	His	Pro	Xaa
65					70					75					80

Pro	Pro	Asp	His	Leu	Leu	Leu	Ser	Xaa	Pro	Lys	Ile	Phe	Leu	Xaa	Leu
			85						90					95	

Gln	Ala	Lys	Ser	Xaa	Leu
					100

<210> 6919

<211> 73

<212> PRT

<213> Homo sapiens

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6133

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<400> 6919
Val Met Ser His Arg Lys Phe Ser Ala Pro Arg His Gly Ser Leu Gly
1 5 10 15
Phe Leu Pro Arg Lys Arg Ser Ser Arg His Arg Gly Lys Val Lys Ser
20 25 30
Phe Pro Lys Asp Asp Pro Ser Lys Pro Val His Leu Thr Ala Phe Leu
35 40 45
Gly Tyr Lys Ala Gly Met Thr His Ile Xaa Arg Glu Phe Xaa Xaa Ala
50 55 60
Gly Ser Lys Val Asn Lys Arg Val Val
65 70

<210> 6920
<211> 117
<212> PRT
<213> Homo sapiens

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6134

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<222> (114)

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<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6920

Ser	Leu	Gln	Arg	Pro	Thr	Xaa	Asn	Xaa	Xaa	Leu	Arg	Thr	Ile	Val	Lys
1				5					10					15	

Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr
			20					25					30		

Arg	Pro	Trp	Thr	Ala	Asp	Glu	Gly	Val	Phe	Asp	Asn	Phe	Val	Leu	Lys
		35					40				45				

Ile	Arg	Asp	Thr	Lys	Lys	Gln	Ser	Glu	Pro	Leu	Glu	Ile	Thr	Leu	Leu
	50					55					60				

Ala	Pro	Glu	Arg	Thr	Arg	Asp	Ile	Thr	Gly	Leu	Arg	Glu	Ala	Thr	Glu
65					70					75					80

Tyr	Glu	Ile	Glu	Leu	Tyr	Gly	Ile	Ser	Lys	Gly	Arg	Arg	Ser	Gln	Thr
			85						90					95	

Val	Cys	Ser	Leu	Leu	Phe	Ile	Tyr	Ser	Ile	Cys	Cys	Xaa	Tyr	Xaa	Thr
			100					105					110		

Xaa	Xaa	Phe	Xaa	Ile
				115

<210> 6921

6135

<211> 131
<212> PRT
<213> Homo sapiens

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6136

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<220>

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<222> (131)

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<400> 6921

Xaa	Ser	Gly	Leu	Xaa	Ile	Gly	Xaa	Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly
1				5					10					15	

Pro	Glu	Phe	Pro	Gly	Arg	Xaa	Thr	Arg	Pro	Arg	Thr	Arg	Gly	Pro	Ser
			20					25					30		

Leu	Gly	Arg	His	Pro	Gly	Ala	His	Gln	Gly	Asn	Leu	Ala	Phe	Gly	Leu
		35					40					45			

His	Ser	Asn	Xaa	Ile	Ala	Ser	Pro	Gly	Ser	Pro	Ser	Leu	Gly	Arg	His
	50					55					60				

Leu	Gly	Gly	Thr	Gly	Ser	Xaa	Val	Pro	Gly	Xaa	Pro	Cys	Leu	Asp	Arg
65					70					75					80

His	Val	Ala	Tyr	Gly	Gly	Tyr	Xaa	Thr	Xaa	Glu	Asp	Arg	Arg	Pro	Thr
				85					90					95	

Leu	Ser	Xaa	Lys	Ser	Xaa	Ala	Tyr	Gly	Tyr	Gln	Ala	Pro	Ser	Thr	Pro
			100					105					110		

Ser	Leu	Pro	Val	Xaa	Pro	Ala	Tyr	Tyr	Pro	Gly	Leu	Xaa	Ser	Pro	Asp
		115					120					125			

Thr	Tyr	Xaa
		130

6137

<210> 6922

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6922

Val	Glu	Ala	Thr	Cys	Ala	Cys	Leu	Leu	Ala	Gln	Gly	Glu	Glu	Ala	Glu
1				5					10					15	

Lys	Glu	His	Cys	Ser	Lys	Cys	Leu	Ala	Glu	Gln	Met	Ile	Leu	Glu	Glu
			20					25					30		

Phe	Gly	Arg	Cys	Leu	Ser	Gln	Ile	Leu	His	Thr	Glu	Phe	Lys	Ser	Lys
		35					40					45			

Gly	Leu	Lys	Met	Glu
	50			

<210> 6923

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

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<400> 6923

Ile	Val	Thr	Val	Gly	Gly	Glu	Glu	Arg	Val	Ser	Arg	Lys	Pro	Thr	Ala
1				5					10					15	

Ala	Met	Arg	Cys	Met	Cys	Pro	Leu	Tyr	Asp	Pro	Asn	Arg	Gln	Leu	Trp
			20					25					30		

Xaa	Glu	Leu	Ala	Pro	Leu	Ser	Met	Pro	Arg	Ile	Asn	His	Gly	Val	Leu
		35					40					45			

Ser	Ala	Glu	Gly	Phe	Leu	Phe	Val	Phe	Gly	Gly	Gln	Asp	Glu	Asn	Lys
	50					55					60				

Gln	Thr	Leu	Ser	Ser	Gly	Glu	Lys	Tyr	Asp	Pro	Asp	Ala	Asn	Thr	Trp
65					70					75					80

Thr	Ala	Leu	Pro	Pro	Met	Asn	Glu	Ala	Arg	His	Asn	Phe	Gly	Ile	Val
				85					90					95	

6138

Glu Ile Asp Gly Met Leu Tyr Ile Leu Gly Gly Glu Asp Gly Glu Lys
100 105 110

Glu Leu Ile Ser Met Glu Cys Tyr
115 120

<210> 6924

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

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<400> 6924

Ser Arg Ser Pro Glu Leu Arg Thr Ala Cys Leu Gln Pro Ser Ser Ile
1 5 10 15

Glu Ile Leu Glu Tyr Ser Ser Asp Ser Glu Lys Glu Asp Asp Leu Glu
20 25 30

Asn Val Leu Leu Ile Xaa Ser Glu Pro Pro His
35 40

<210> 6925

<211> 126

<212> PRT

<213> Homo sapiens

<220>

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<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6925

6139

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Pro Thr Ser Asp Pro Pro Leu Gly Ser Ser Pro Leu Gly Arg Arg Phe
 1              5              10              15

Arg Val Leu Ser Ser Leu Arg Arg Ser Pro Met Phe Glu Glu Lys Ala
          20              25              30

Ser Ser Pro Ser Gly Lys Met Gly Gly Glu Glu Lys Pro Ile Gly Ala
          35              40              45

Gly Glu Glu Lys Gln Lys Glu Gly Gly Lys Lys Lys Asn Lys Glu Gly
 50              55              60

Ser Gly Asp Gly Gly Arg Ala Glu Leu Asn Pro Trp Pro Glu Tyr Ile
 65              70              75              80

Tyr Thr Arg Leu Glu Met Tyr Asn Ile Leu Lys Ala Glu His Asp Ser
          85              90              95

Ile Leu Ala Glu Lys Lys Lys Lys Arg Ala Xaa Ala Leu Glu Asp Pro
          100              105              110

Lys Leu Thr Tyr Ala Xaa Met Arg Xaa His Lys Phe Phe Tyr
          115              120              125

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<210> 6926

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6926

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Val Pro Val Xaa Asn Ser Arg Val Asp Pro Arg Val Arg Ile Pro Ser
 1              5              10              15

Arg Thr Val Asn Arg Lys Ser Thr Asp Ser Pro Val Glu Cys Met Gly
          20              25              30

Gln Glu Lys Gly Glu Phe Arg Glu Ile Phe Tyr Ile Ile Gly Ala Val
          35              40              45

Val Phe Val Val Ile Ile Leu Val Ile Ile Leu Ala Ile Ser Leu His
          50              55              60

Lys Cys Arg Lys Ala Gly Val Gly Gln Ser Trp Lys Glu Asn Ser Pro
          65              70              75              80

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6140

Leu Asn Val Ser

<210> 6927

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6927

Val	Xaa	Ser	Glu	Tyr	Pro	Ser	Ile	Lys	Leu	Val	Val	Glu	Trp	Gln	Leu
1				5				10						15	

Gln	Asp	Asp	Lys	Asn	Gln	Ser	Leu	Phe	Cys	Trp	Glu	Ile	Pro	Val	Gln
			20					25					30		

Ile	Val	Ser	His	Leu
				35

<210> 6928

<211> 49

<212> PRT

<213> Homo sapiens

<400> 6928

Ala	Ser	Ser	Ser	Gly	Gly	Pro	Leu	Val	Thr	Val	Ser	Thr	Pro	Leu	His
1				5				10						15	

Gln	Val	Ser	Pro	Thr	Gly	Leu	Glu	Pro	Ser	His	Ser	Leu	Leu	Ser	Thr
			20					25					30		

Glu	Ala	Lys	Leu	Val	Ser	Ala	Ala	Gly	Gly	Pro	Leu	Pro	Leu	Ser	Ala
		35						40				45			

Pro

<210> 6929

<211> 86

<212> PRT

6141

<213> Homo sapiens

<400> 6929

Asp Leu Ser Lys His Ile Lys Thr His Gln Asn Lys Lys Gly Gly Pro
 1 5 10 15

Gly Val Ala Leu Ser Val Gly Thr Leu Pro Leu Asp Ser Gly Ala Gly
 20 25 30

Ser Glu Gly Ser Gly Thr Ala Thr Pro Ser Ala Leu Ile Thr Thr Asn
 35 40 45

Met Val Ala Met Glu Ala Ile Cys Pro Glu Gly Ile Ala Arg Leu Ala
 50 55 60

Asn Ser Gly Ile Asn Val Met Gln Val Ala Asp Leu Gln Ser Ile Asn
 65 70 75 80

Ile Ser Gly Asn Gly Phe
 85

<210> 6930

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6930

Thr Ser Thr Ser Gln Glu Pro Arg Trp Asp Gln Ser Thr Xaa Pro Gly
 1 5 10 15

Arg Ala Arg His Phe Phe Thr Val Thr Asp Pro Xaa Asn Leu Leu Leu
 20 25 30

Ser Gly Xaa Thr Ala Gly Ser Phe Leu Gly Thr Ser Cys Arg Thr Thr

6142

35

40

45

Gly Asp His Pro Ser Ile
50

<210> 6931

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6931

His His Ala Asp Gln Thr Leu Leu Thr Cys Arg His Gln Cys Pro Arg
1 5 10 15

Val His His Leu Ser Ala His Arg Pro Ser Ser Cys Trp Xaa Leu Ser
20 25 30

Ala Ala Tyr Ser Gly Trp Gly Asn Thr Leu Ser Phe Gly Ala Asp Tyr
35 40 45

Pro Asp Glu Leu Lys Cys Leu Asp Ala Pro Val Leu Thr Gln Ala Glu
50 55 60

Cys Lys Ala Ser Tyr Pro Gly Lys Asp Tyr Gln Gln His Val Leu Cys
65 70 75 80

Gly Ala Ser Leu Arg Gly Gly Lys Asp Ser Leu Pro Ala
85 90

<210> 6932

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

6143

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6932

Asn	Ala	Ser	Val	Arg	Leu	Asp	Asn	Ser	Ser	Ser	Gly	Ala	Ser	Val	Val
1					5				10					15	

Ala	Ile	Asp	Asn	Lys	Ile	Glu	Gln	Ala	Met	Asp	Leu	Val	Lys	Ser	His
			20					25					30		

Leu	Met	Tyr	Ala	Val	Arg	Glu	Glu	Val	Glu	Val	Leu	Lys	Glu	Gln	Ile
		35						40					45		

Lys	Glu	Leu	Ile	Glu	Lys	Asn	Ser	Gln	Leu	Glu	Gln	Glu	Asn	Asn	Leu
	50					55					60				

Xaa	Lys	Thr	Leu	Ala	Ser	Xaa	Glu	Gln	Leu	Ala	Gln	Phe	Xaa	Ala	Gln
	65					70					75				80

Leu	Gln	Thr	Gly	Ser	Pro	Pro	Ala	Thr	Thr	Gln	Ser	Gln	Gly	Thr	Thr
				85						90				95	

Gln	Xaa	Pro	Ala	Ser	Gln	Tyr	Xaa	Arg	Ala	Xaa	Asp	Gln	Pro	His	
			100					105					110		

<210> 6933

<211> 162

<212> PRT

<213> Homo sapiens

6144

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6933

Glu	Asn	Thr	Asp	Tyr	Val	Asn	Ala	Ser	Phe	Ile	Asp	Gly	Tyr	Arg	Gln
1				5					10					15	

Lys	Asp	Ser	Tyr	Ile	Ala	Ser	Gln	Gly	Pro	Leu	Leu	His	Thr	Ile	Glu
			20					25					30		

Asp	Phe	Trp	Arg	Met	Ile	Trp	Glu	Trp	Lys	Ser	Cys	Ser	Ile	Val	Met
	35						40					45			

Leu	Thr	Glu	Leu	Glu	Glu	Arg	Gly	Gln	Glu	Lys	Cys	Ala	Gln	Tyr	Trp
	50					55					60				

Pro	Ser	Asp	Gly	Leu	Val	Ser	Tyr	Gly	Asp	Ile	Thr	Val	Glu	Leu	Lys
65					70					75					80

Lys	Glu	Glu	Glu	Cys	Glu	Ser	Tyr	Thr	Val	Arg	Asp	Leu	Leu	Val	Thr
				85					90					95	

Asn	Thr	Arg	Glu	Asn	Lys	Ser	Arg	Gln	Ile	Arg	Gln	Phe	His	Phe	His
			100					105					110		

Gly	Trp	Pro	Glu	Val	Gly	Ile	Pro	Ser	Asp	Gly	Lys	Gly	Met	Ile	Ser
		115					120					125			

Ile	Ile	Ala	Ala	Val	Gln	Lys	Gln	Gln	Gln	Gln	Ser	Gly	Asn	His	Pro
	130					135					140				

Ile	Thr	Arg	Ala	Leu	Gln	Arg	Pro	Gly	Gln	Glu	Gly	Xaa	Gly	Pro	Ser
145					150					155					160

Val Pro

<210> 6934

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

6145

<400> 6934

Val	Arg	Ala	Ser	Gln	Ser	Ser	Phe	Ile	Gly	Thr	Leu	Asn	Met	Ser	Gly
1				5					10					15	
Ile	Ala	Leu	Ser	Arg	Leu	Ala	Gln	Glu	Arg	Lys	Ala	Trp	Arg	Lys	Asp
			20					25					30		
His	Pro	Phe	Gly	Phe	Val	Ala	Val	Pro	Thr	Lys	Asn	Pro	Asp	Gly	Thr
		35					40					45			
Met	Asn	Leu	Met	Asn	Trp	Glu	Cys	Ala	Ile	Pro	Gly	Lys	Lys	Gly	Thr
	50					55					60				
Pro	Trp	Glu	Gly	Gly	Leu	Phe	Lys	Leu	Arg	Met	Leu	Phe	Lys	Asp	Asp
65					70					75					80
Tyr	Pro	Ser	Ser	Xaa	Pro	Lys	Cys	Lys	Phe	Glu	Pro	Pro	Leu	Phe	
				85					90					95	

<210> 6935

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6935

Thr	Pro	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala	Val
1				5					10					15	
Gln	Xaa	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala
			20					25					30		
Arg	Gly	Gln	Ile	Thr	Phe	Pro	Leu	Ser	Pro	Ala	Leu	Asn	Ile	Glu	Val
		35					40					45			
Glu	Gln	Asn	Gly	Lys	Pro	Ser	Leu	Val	Asp	Leu	Asn	Glu	Glu	Met	Gln
	50					55					60				
His	Met	Asp	Val	Glu	Glu	Ser	Gln	Cys	Leu	Arg	Leu	Cys	Pro	Phe	Leu
65					70					75					80
Glu	Asp	His	Lys	Glu	Asp	Ile	Leu	Cys	Gly	Pro	Val	Trp	Leu	Ala	Ser
					85				90					95	
Gly	Leu	Asp	Leu	Ser	Gly	His	Ala	Gly	Met	Leu	Thr	Leu	Thr	Ser	Pro

6146

100	105	110
Lys Leu Val Lys Gly Met Ala Gly Gly Lys Tyr Arg Ser Phe Leu Ile		
115	120	125
His Val Lys Ala Val Asn Glu Arg Gly Thr Glu Glu Ile Cys Asn Gly		
130	135	140
Gly Met Arg Pro Val Val Arg Leu Pro Ser Leu Lys His Gln Ser Asn		
145	150	155
Lys Gly Tyr Ser Leu Ala Ser Leu Leu Ala Lys Val Ala Ala Gly Lys		
165	170	175
Glu Lys Ser Ser Asn Val Lys Asn Glu Asn Thr Ser Gly Thr Arg Lys		
180	185	190

Ser Glu

<210> 6936
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 6936
 Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp
 1 5 10 15
 Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Arg
 20 25 30
 Gly Gly Ile Ile Glu Pro Ser Leu Arg Gln Leu Ala Gln Lys Tyr Asn
 35 40 45
 Cys Asp Lys Met Ile Cys Arg Lys Cys Tyr Ala Arg Leu His Pro Arg
 50 55 60
 Ala Val Asn Cys Arg Lys Lys Lys Cys Gly His Thr Asn Asn Leu Arg
 65 70 75 80
 Pro Lys Lys Lys Val Lys
 85

<210> 6937
 <211> 198
 <212> PRT

6147

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6937

Ile	Tyr	Xaa	Gln	Glu	Lys	Ala	Gln	Ser	Met	Glu	Thr	Leu	Pro	Pro	Gly
1				5					10					15	

Lys	Val	Arg	Trp	Pro	Asp	Phe	Asn	Gln	Glu	Ala	Tyr	Val	Gly	Gly	Thr
		20					25						30		

Met	Val	Arg	Ser	Gly	Gln	Asp	Pro	Tyr	Ala	Arg	Asn	Lys	Phe	Asn	Gln
		35					40					45			

Val	Glu	Ser	Asp	Lys	Leu	Arg	Met	Asp	Arg	Ala	Ile	Pro	Asp	Thr	Arg
	50					55					60				

His	Asp	Gln	Cys	Gln	Arg	Lys	Gln	Trp	Arg	Val	Asp	Leu	Pro	Ala	Thr
65					70					75					80

Ser	Val	Val	Ile	Thr	Phe	His	Asn	Glu	Ala	Arg	Ser	Ala	Leu	Leu	Arg
			85						90					95	

Thr	Val	Val	Ser	Val	Leu	Lys	Lys	Ser	Pro	Pro	His	Leu	Ile	Lys	Glu
			100					105					110		

Ile	Ile	Leu	Val	Asp	Asp	Tyr	Ser	Asn	Asp	Pro	Glu	Asp	Gly	Ala	Leu
		115					120					125			

Leu	Gly	Lys	Ile	Glu	Lys	Val	Arg	Val	Leu	Arg	Asn	Asp	Arg	Arg	Glu
	130					135					140				

Gly	Leu	Met	Arg	Ser	Arg	Val	Arg	Gly	Ala	Asp	Ala	Ala	Gln	Ala	Lys
145					150					155					160

Val	Leu	Thr	Phe	Leu	Asp	Ser	His	Cys	Glu	Cys	Asn	Glu	His	Trp	Leu
			165						170					175	

Glu	Pro	Leu	Leu	Glu	Arg	Val	Ala	Glu	Asp	Arg	Thr	Arg	Val	Gly	Ser
			180					185					190		

Pro	Ile	Ile	Xaa	Cys	His
			195		

6148

<210> 6938

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6938

Cys	Phe	Ile	Ala	Ile	Leu	Phe	Gly	Ser	Ser	Thr	Ile	Ser	Leu	Ser	Asp
1				5					10					15	

Glu	Ala	Ser	Arg	Arg	Cys	Ser	Val	Leu	Xaa	Ser	Thr	Leu	Ser	Ser	Gln
			20					25					30		

Ser	Cys	Lys	Gln	Leu	Arg	Val	Tyr	Leu	Ser	Pro	Leu	Ser	Lys	Glu	Ala
		35					40					45			

Ile	Asp	Asp	Ser	Pro	Arg	Leu	Leu	Ala	Lys	Leu	Leu	Ala	Leu	Lys	Leu
	50					55				60					

Cys	Tyr	His	Ile	Xaa	Leu	Glu	Val	Lys	Gly	Cys	Asn	Thr	Glu	Asn	Thr
65					70					75					80

Phe	Phe	Tyr	Xaa	Asp
				85

<210> 6939

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

6149

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6939

Asp	Lys	Lys	Pro	Ile	Arg	Tyr	Ala	Arg	Xaa	Val	Phe	Xaa	Gln	Tyr	Gln
1				5				10					15		

Pro	Ser	His	Leu	Glu	Asn	Leu	Gln	Lys	Ala	Tyr	Val	His	Ser	Ile	Leu
		20					25					30			

Cys	Val	Ser	Glu
		35	

<210> 6940

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6940

His	Glu	His	Phe	Pro	Cys	His	Leu	Tyr	Tyr	Phe	Leu	Asn	Tyr	Ser	Phe
1				5				10					15		

Ser	Leu	Ala	Cys	Leu	Ile	Pro	His	Pro	Pro	Lys	Ser	Ile	Cys	Leu	Ser
		20					25					30			

His	Ala	Ile	Ile	Phe	Ile	Phe	Met	Ser	Thr	Ala	Phe	Ile	Glu	Phe	Xaa
		35					40					45			

<210> 6941

<211> 53

<212> PRT

<213> Homo sapiens

<220>

6150

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6941

Leu Arg Val Lys Tyr Lys Leu Leu Ala Ala Val Gly Gly Lys Glu Pro
 1 5 10 15

Asn Pro Lys Leu Trp Gly Phe Pro Leu Phe Pro Arg Glu Ala Xaa Gly
 20 25 30

Gly Met Asn Asp Pro Lys Gly Asn Glu Gln Thr Xaa Gly Asn Pro Pro
 35 40 45

Ser Ala Thr Ser Asp
 50

<210> 6942

<211> 122

<212> PRT

<213> Homo sapiens

<400> 6942

Ser Arg Val Gly Ser Glu Glu Gln Arg Lys Ala Val Gly Asp Val Ala
 1 5 10 15

Thr Val Pro Arg Asp His Pro Ala Met Glu Thr Arg Glu Leu Ser Leu
 20 25 30

Arg Gly Arg Gly Leu Ala Ser Lys Lys Asp Arg Glu Trp Thr Gly Arg
 35 40 45

Gly Pro Leu Ser Ser Gly Pro Lys Glu Asp Ser Ser Arg Arg Arg Glu
 50 55 60

Ser Glu Arg Gln Gly Pro Cys Ala Gly Leu Leu Leu Arg Leu Gln Ala
 65 70 75 80

Gly Ser Leu Pro Glu Ala Val Gln Lys His Ser Ser Ala Gly Pro Thr
 85 90 95

Arg Phe Leu Ser His Val Lys Phe Arg Ser Ser Val Lys Thr His Ser
 100 105 110

6151

Ser Pro Ala Gly Val Leu Arg Asp Ala Arg
 115 120

<210> 6943

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6943

Cys Phe Leu Glu Arg Asn Gln Met Cys Phe Cys Gly His Ser His Phe
 1 5 10 15

Leu Phe Cys Glu Phe Ser Lys Leu Ser Thr Ile Ala Ile His Ser Ala
 20 25 30

Ile Phe Ile Val Tyr Asn Leu Leu Ser Leu Val Asp Lys His Gly Ser
 35 40 45

Leu Phe Leu Lys Leu
 50

<210> 6944

<211> 64

<212> PRT

<213> Homo sapiens

<400> 6944

Ser Pro Tyr Leu Leu Val Asn Val Ala Val Leu Leu Gln Asn Leu Phe
 1 5 10 15

Gln Pro Phe Ser Asp Phe Lys Pro Pro Val Pro Leu Pro Leu Arg Glu
 20 25 30

Asn Ser Asn His Lys Ser Leu Ser Thr Ser Tyr Tyr Leu Asn Ile Asp
 35 40 45

Asn Phe Gln Ile Arg Glu Leu Arg Tyr Leu Lys Leu Arg Phe Leu Phe
 50 55 60

<210> 6945

<211> 45

<212> PRT

6152

<213> Homo sapiens

<400> 6945

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Asp Thr Glu Gly Lys Ser Trp Asn Phe His Lys Ser Leu Thr Gly Ala
 1             5             10             15

Phe Leu Trp Leu Glu Leu Ala Gln Cys Asp Val Pro Glu Leu Val Gln
          20             25             30

Arg Asn Ala Phe Ser Phe Ala Lys Gln Asn Phe Gln Glu
          35             40             45

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<210> 6946

<211> 85

<212> PRT

<213> Homo sapiens

<400> 6946

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Gly Ala Ser Gln Ser Arg Ser Gly Ser Ser Val Arg Phe Pro Val Gly
 1             5             10             15

Leu Thr Ala Gly Pro Trp Gly His His Pro His Leu Pro Ala Ser Ile
          20             25             30

Ser Glu Thr Glu Ala Trp Glu Pro Pro Gly Pro Pro Glu Ser Gly Arg
          35             40             45

Arg Lys Pro Ile Pro Gly Thr Gly Pro Gly Pro Phe Leu Val Arg Gly
          50             55             60

Thr Leu Trp Ser Ile Val Gly Gln Arg Asn Leu Leu Phe Asn Ile Lys
          65             70             75             80

Arg Ile Leu Cys Pro
          85

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<210> 6947

<211> 57

<212> PRT

<213> Homo sapiens

<400> 6947

```

Thr Gly Met Asn His His Ala Gln Pro His Leu Gln Phe Leu Lys Lys
 1             5             10             15

Ile Leu Arg Ser Val Phe Phe Ile Val Tyr Lys Ser Phe Phe Val Ile
          20             25             30

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6153

Thr Lys Ile His Ala Phe Gly Arg Asn Thr Asn Ile Gln Arg Cys Ser
35 40 45

Ile Lys Leu Thr Phe Tyr Arg Thr Phe
50 55

<210> 6948

<211> 75

<212> PRT

<213> Homo sapiens

<400> 6948

Ala Lys Glu Leu Ile Asp Asp Tyr Phe Ala Phe Ser Lys Ile Val Phe
1 5 10 15

Asn Val Gly Ile Tyr Pro Ile Phe His Arg Asn Lys Val Gly Cys Ser
20 25 30

Gly Ser Asn Phe Lys Cys Arg Leu Val Ile Ser Lys Cys Asn Gly Thr
35 40 45

Ile Ile Ser Leu Val Gln Glu Thr Lys Leu Leu Pro Asn Leu Leu Leu
50 55 60

Phe Cys Phe Phe Met Ala Tyr Phe Lys Leu Lys
65 70 75

<210> 6949

<211> 61

<212> PRT

<213> Homo sapiens

<400> 6949

Arg Lys His Gly Arg Thr Cys Trp Trp Gly Pro Ser Asn Ile Gln Leu
1 5 10 15

Asn Leu Ser Pro Pro Ser Ser Pro Val Leu Cys Arg Asp Gly Ser Arg
20 25 30

Leu Leu Cys Gly Leu Asp Ile Ser Glu Gln Pro Asn Leu Ala Gly Ile
35 40 45

Asn Pro Lys Gly Thr Gly Leu Arg Gly Gln Glu Leu Lys
50 55 60

6154

<210> 6950

<211> 94

<212> PRT

<213> Homo sapiens

<400> 6950

Trp Asp Gln Arg Lys Arg Asn Ser Leu Val Pro Gly Pro Ala His Gly
1 5 10 15

Pro Ala Gln Glu Glu Pro Trp Glu Lys Lys Glu Ser Leu Gly Ala Ala
20 25 30

Gln Glu Ala Leu Ser Ile Gln Leu Gln Pro Lys Glu Thr Gln Pro Phe
35 40 45

Pro Lys Ser Glu Gln Val Tyr Leu His Phe Leu Ser Val Val Thr Glu
50 55 60

Asp Gly Pro Glu Pro Lys Asp Lys Gly Ser Leu Pro Gln Pro Pro Ile
65 70 75 80

Thr Glu Val Glu Ser Gln Val Phe Ser Glu Lys Leu Ala Thr
85 90

<210> 6951

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

6155

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6951
Gly Asn Lys Xaa Xaa Val Pro Xaa Val Xaa Pro Xaa Xaa Thr Met Asp
1 5 10 15
Pro Xaa Ala Ala Asp Ser Ala Glu Gln Arg Gln Arg Glu Pro Ala Gly
20 25 30
Pro Gln Val Ser Ser Asp Ala Ser Glu Ile Ser Cys Val Phe Val Ser
35 40 45
Ser Glu Leu His Arg Ser Leu Thr Leu Glu Pro Ala Cys Leu Pro Ala
50 55 60
Ala Val Leu Cys Ile Leu Arg Asn Gln
65 70

<210> 6952
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

6156

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6952

Arg Xaa His Xaa Leu Glu Leu His Arg Gly Ala Xaa Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Phe Pro Leu Lys
 20 25 30

Arg Arg Arg Lys Arg Glu Gly Glu Gln Glu Lys Lys Lys Leu Pro Tyr
 35 40 45

Met Ser Val Phe Leu Tyr Lys Lys Val Thr Pro Tyr Lys Glu Thr Thr
 50 55 60

Ile Gln Ala Gly Ala Arg Gly Leu Gly Ser Arg Gly Ile Pro Gly Glu
 65 70 75 80

Gln Ser Gln Gly Ile Pro Ser Lys Ser Pro Thr Cys Ser Glu Tyr Pro
 85 90 95

Thr Asn Val Ser Gly Ala Ser Ala Glu Val Ala Met Leu Asn Ala Ser
 100 105 110

Ser Ile Pro Gly
 115

<210> 6953

<211> 92

<212> PRT

<213> Homo sapiens

<400> 6953

Leu Ser Ile Val Cys Arg Met Asp Glu Arg Glu Ala Ala Glu Arg Gln
 1 5 10 15

Gln Gly His Ser Ala Ser Ser Gly Gly Arg Ser His Leu Met Glu Glu
 20 25 30

Asn Gln Phe Lys Glu Met Pro Phe Leu Tyr Arg Thr Pro Phe Asn Ser
 35 40 45

Ile Gln Glu Glu Arg Glu Ala Ala Ile Leu Arg Leu Ser Lys Tyr Ser
 50 55 60

Arg Gly Cys Pro Arg Met Ala Val Met Pro Gly Phe Trp Gln Val Pro
 65 70 75 80

6157

Asp Ser Ile Thr Ser Pro Ala Ser Leu His Gln Ile
 85 90

<210> 6954

<211> 95

<212> PRT

<213> Homo sapiens

<400> 6954

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Gly Gln Arg Trp Phe
 1 5 10 15

Tyr Pro Cys Leu Leu Leu Phe Phe Ser Leu Arg Phe Leu Arg Arg Arg
 20 25 30

Leu Leu Ser Arg Lys Cys Ala Val Val Ile Leu Glu Arg Leu Glu Ala
 35 40 45

Leu Leu Ala Thr Leu Gly Pro Arg Arg Ala His Val Met Thr Pro Thr
 50 55 60

Pro Gly Glu Arg Arg Arg Cys Gly Thr His Arg Pro Thr Gly Arg Val
 65 70 75 80

Ser Gly Gly Thr Leu Ile Val Ala Gly Arg Ser Gly Ala Ala Val
 85 90 95

<210> 6955

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

6158

<400> 6955

```

Xaa Ser Val Phe Xaa Glu Glu Gln Lys Met Glu Gln Leu Asp Xaa Arg
 1             5             10             15

Ala Leu Ala Pro Leu Val Met Leu Pro Ala Thr Arg Thr Cys Asp Leu
             20             25             30

Val Gln Lys Arg Ala Ala Val Leu Ser Ser Trp Trp Gln Val Met Tyr
             35             40             45

Met Val Arg Arg Gln Arg Asp Ala Met Val Ala Gly Ala Ala Val Val
             50             55             60

Glu Ser Thr Gly Arg His Ser Ala Trp
65             70

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<210> 6956

<211> 114

<212> PRT

<213> Homo sapiens

<400> 6956

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His Pro Val Leu Pro Ser Val His Leu Ala Asp Pro Gly Gly Leu Cys
 1             5             10             15

Pro Trp Gly Arg Gly Arg Arg Arg Gly Asp Cys Pro Arg His Pro His
             20             25             30

Gly Gly Leu Cys Gly Leu Phe Pro Gly Leu Pro Asp Gly His Ile Pro
             35             40             45

Gly Asp Leu Ser Arg Arg Val Arg Gly Gly Gln Gly Gly Ala Glu Arg
             50             55             60

Pro Val Phe Pro Val Gly Arg Arg Arg Gln Gly Arg Arg Glu Gln Arg
65             70             75             80

Lys Ala His Arg Ala Glu Ala His Ala Glu Gly Gly Pro Ala Gly Thr
             85             90             95

Gly Gly Asp Arg Val Arg Gly Leu Ser Arg Thr Pro Val Tyr Thr His
             100             105             110 ,

Ser Ser

```

<210> 6957

6159

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

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<400> 6957

Val	Leu	Ser	Met	Phe	Ile	His	Lys	Asn	Lys	Ser	Xaa	Xaa	Tyr	Phe	Xaa
1				5				10						15	

Ser	Leu	Arg	Met	Leu	Lys	Lys	Ala	Asn	Pro
			20				25		

<210> 6958

<211> 28

<212> PRT

<213> Homo sapiens

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6160

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<400> 6958

Trp	Xaa	Xaa	Gly	Leu	Gln	Glu	Phe	Gly	Arg	Xaa	Gln	Lys	Ser	Ser	Leu
1				5				10						15	

Ala	Thr	Phe	Val	Gly	Ser	Xaa	Pro	Ser	Xaa	Gly	Pro
			20				25				

<210> 6959

<211> 73

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6161

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<400> 6959
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 1 5 10 15
 Ser Trp Pro Pro Lys Xaa Cys Leu Xaa Glu Thr Ala Arg Thr Phe Asn
 20 25 30
 Phe Xaa Pro Ala Gly Ser Asp Leu Gly Trp Ile Leu Val Xaa Phe Pro
 35 40 45
 Leu Leu Gln Xaa Pro Pro Pro Leu Pro Arg Pro Phe Phe Phe Phe Phe
 50 55 60
 Xaa Lys Xaa Val Phe Tyr Xaa Glu Ile
 65 70

<210> 6960
 <211> 49
 <212> PRT
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<400> 6960
 Pro Ala Ala Pro Ser Phe Ala Trp Thr Leu Thr Ser Phe Met Val Leu
 1 5 10 15
 Leu Leu Gln Gly Gln Pro Pro Ser Ser Ser Ala Ser Lys Leu Cys Asn
 20 25 30
 Leu Gln Pro Ala Pro Val Pro Asp Cys Ile Thr Ser Asp Leu His Trp

6162

35

40

45

Phe

<210> 6961

<211> 73

<212> PRT

<213> Homo sapiens

<400> 6961

Phe	Tyr	Ala	Ser	Leu	Phe	Leu	Arg	Trp	Ser	Thr	Ile	Ser	Glu	Asn	Leu
1				5					10					15	

Phe	Ala	Thr	Thr	Gly	Tyr	Pro	Gly	Lys	Met	Ala	Ser	Gln	Phe	Gln	Ile
			20					25					30		

His	His	Leu	Gly	His	Pro	Gln	Pro	Ile	Leu	Met	Gly	Ser	Val	Ala	Val
		35					40					45			

Gly	Ser	Gly	Leu	Ser	Trp	His	Arg	Thr	Leu	Pro	Leu	Cys	Val	Ile	Gly
	50					55					60				

Arg	Glu	Thr	Thr	Ser	Cys	Cys	Phe	Gly
65					70			

<210> 6962

<211> 84

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 6962

Leu	Thr	Asn	His	Ser	Tyr	Pro	Arg	Tyr	Ser	Lys	Xaa	Leu	Thr	Gln	Lys
1				5					10					15	

Pro	Asn	Asn	Ala	Tyr	Asn	Phe	Phe	Gly	Val	Lys	Ser	Thr	Ser	Leu	Val
			20					25					30		

6163

[illegible]

<210> 6963

<211> 70

<212> PRT

<213> Homo sapiens

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<400> 6963

Asp Ile Leu Asn Leu Glu Leu Phe Asn Pro Lys Ile Phe Met Lys Ser
1 5 10 15

Leu Ser Leu Glu Pro Lys Pro Glu Tyr Ser Tyr Cys Leu Phe Ser Lys
20 25 30

Cys Ser Gly Lys Ala Leu Pro Val Gln Ser Phe Gln Asn Glu Gly Glu

Thr Phe Ala Cys Leu Val Ile Thr Arg Leu Ser Ala Tyr Phe Xaa Asn
50 55 60

Cys Ile Leu Lys Ile Gly
65 70

<210> 6964

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6964

Arg Pro Ala Arg Ser Pro Ala Glu Val Gly Ser Arg Gly Leu Ser Ser
1 5 10 15

6164

Pro Pro Arg Ala His His Arg Pro Val Ser Pro Ala Ala Pro Gly Arg
 20 25 30

Trp Ser Thr Ser Ala Arg Val Arg Thr Arg Lys Met Val Asn Tyr Ala
 35 40 45

Trp Ala Gly Arg Thr Glu Glu Thr Leu Val Glu Val Arg Ser Gly Pro
 50 55 60

Asp Val Gln Ile Gly Arg Pro Thr Trp Val
 65 70

<210> 6965

<211> 38

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<400> 6965

Lys Ala Glu Thr Lys Pro Glu Leu Thr Pro Lys His Val Asp Xaa Val
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Thr Xaa Met Ser Leu Phe Gly Ile Thr Leu Leu Phe Met Ser His Ile
 20 25 30

Leu Val Gly Ser Ser Asp
 35

<210> 6966

<211> 31

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<400> 6966

Asn	Ser	Ala	Xaa	Asp	Trp	Ser	Lys	Xaa	Cys	Ile	Leu	Arg	Asp	Met	Asn
1				5				10					15		

Val	Gln	Ser	Leu	Asp	His	Glu	Asp	Asp	Arg	Ile	Pro	Arg	Asn	Ser
			20				25						30	

<210> 6967

<211> 79

<212> PRT

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6167

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<400> 6967

Val	Gly	Leu	Leu	Ser	Phe	Ser	Xaa	Glu	Gly	Ser	Leu	Ala	Leu	Xaa	Val
1				5				10						15	

Xaa	Glu	Asp	Gly	Leu	Ile	Glu	Gly	Xaa	Val	Xaa	Ser	Trp	Asn	Pro	Asn
			20					25					30		

Ser	Cys	Val	Xaa	Gly	Val	Thr	Leu	Val	Leu	His	Asn	Val	Xaa	Leu	Trp
		35					40					45			

Trp	Ile	Gly	Xaa	Thr	Glu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Ile	Xaa
	50					55					60				

Xaa	Cys	Xaa	Xaa	Xaa	Ser	Xaa	Lys	Ser	Val	Phe	Glu	Gly	Xaa	Gln
65						70							75	

<210> 6968

<211> 115

<212> PRT

<213> Homo sapiens

6168

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6169

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<400> 6968
 Met Leu Phe Ile Leu Pro Thr Asn Leu His Ser Ser His Gly Ile Thr
 1 5 10 15
 Ala Gln Thr Thr Trp Gln Thr Glu Arg Gln Met Gln Ser Cys Thr Asp
 20 25 30
 Ser Val Gly Pro Ala Gly Val Gly His Leu Asn Arg Pro Leu Leu Pro
 35 40 45
 Asn Ser Leu Arg Trp Val Glu Gln Glu Gly Leu Pro Trp Pro Arg Xaa
 50 55 60
 His Gly Arg Lys Xaa Xaa Phe Phe Ser Arg Arg His Val Ile Val Gly
 65 70 75 80
 Xaa Xaa Xaa Tyr Ile Ile Leu Gly Xaa Pro Xaa Phe Leu Lys Asn Ser

6170

85 90 95

Xaa Arg Val Xaa Lys Ile Xaa Xaa Lys Trp Gly Xaa Xaa Xaa Lys Val
 100 105 110

Xaa Xaa Ile
 115

<210> 6969

<211> 63

<212> PRT

<213> Homo sapiens

<220>

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<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6969

Lys Ser Phe Leu Ser Leu Tyr Leu Gly Leu Phe Thr Phe Arg Phe Phe
 1 5 10 15

Phe Asn Val Ile Ile Phe Thr Leu Trp Ile Ser Asn Phe Val Pro Phe
 20 25 30

Lys Ile Arg Asp Arg Arg His Ile Gln Leu Asp Leu Leu Met Thr Phe
 35 40 45

Cys Trp Thr Thr Phe Leu His Glu Cys Phe Xaa Ala Leu Gly Asp
 50 55 60

<210> 6970

<211> 99

<212> PRT

<213> Homo sapiens

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<400> 6970

Ala Leu Pro Asn Ala Gly Thr His Ser Val Thr Arg Thr Arg Phe Leu
1 5 10 15

Ser Val Pro Phe Leu Pro Met Leu Val Pro Phe Ala Ile Asp Ser Gly
20 25 30

Leu Ile Ser Gly Lys Thr Ala Leu Cys Asn Phe Leu Tyr Leu Leu Arg
35 40 45

Val Gln Ser Gly Gly Glu Arg Leu Arg Asp Pro Gly Phe Ser Trp Cys
50 55 60

Phe Ile Gly Ser Asp Trp Val Met Ser Pro Xaa Tyr Glu Thr Asn Cys
65 70 75 80

Cys Gly Leu Gln Lys Cys Gly Gln Xaa Pro Leu Asp Ser Xaa Gly Phe
85 90 95

Ser Xaa Cys

<210> 6971

<211> 70

<212> PRT

<213> Homo sapiens

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6173

<400> 6971

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Tyr Pro Trp Lys Gly Phe Arg Gln Xaa Ser Ser Ser Gly Asn Ser Xaa
 1              5              10              15

Glu Ser Arg Trp Xaa Ser Trp Xaa Met Ala Phe Ser Gly Xaa Xaa Ser
          20              25              30

Pro Gly Thr Gly Cys Leu Xaa Tyr Lys His Xaa Xaa Thr His Met Xaa
      35              40              45

Glu Val Lys Lys Ser Xaa Phe Arg Lys His Phe Phe Asn Gly Leu Asn
      50              55              60

Xaa Gly Gly Phe Xaa Phe
65              70

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<210> 6972

<211> 59

<212> PRT

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<220>

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<220>

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<400> 6972

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Val Xaa Leu Val Ala Asp Leu Ser His Ala Leu Arg Ile Arg Leu Tyr
 1              5              10              15

Lys Tyr Ile Trp Ala Lys Pro Ser Xaa Ala Met Gly Met Trp Lys Arg
          20              25              30

Tyr Val Gly Ser Ser Val Glu Tyr Gln Ser Met Met Arg Thr Phe Ser
      35              40              45

Arg Pro Ser Ser Gly Leu Glu Phe Gly Phe Gln
      50              55

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<210> 6973

<211> 59

6174

<212> PRT

<213> Homo sapiens

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<400> 6973

Gln	Ala	Ser	Leu	Gly	Ser	Xaa	Thr	Gln	Trp	Phe	Xaa	Phe	Ser	Lys	Cys
1				5				10					15		

Ser	Lys	Arg	Ala	Ser	Thr	Asn	Val	Gln	Val	Asn	Phe	Xaa	Ser	Phe	Cys
			20					25					30		

Leu	Gly	Ile	Met	Phe	Ala	Thr	Val	Leu	Leu	Asn	Gln	Ser	Lys	Ser	Phe
		35					40					45			

Met	Asn	Gln	Pro	Arg	Phe	Gln	Gly	Leu	Glu	Glu
	50					55				

<210> 6974

<211> 46

<212> PRT

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<220>

<221> SITE

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6175

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6974

Asn	Ser	Ala	Gln	Leu	Gln	Leu	Leu	Lys	Val	Arg	Phe	Arg	Leu	Phe	Asn
1				5					10					15	
Pro	Leu	Leu	Met	Asn	Ala	Asn	Met	Xaa	Gln	Xaa	Trp	Val	Gly	Ile	Leu
			20					25					30		
Gln	Val	Ile	Phe	Ile	Ser	Ala	Gln	Arg	Xaa	Lys	Thr	Ile	Ser		
		35					40					45			

<210> 6975

<211> 52

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<400> 6975

Phe	Gly	Xaa	Asn	Arg	Ser	Gly	Ser	Arg	Thr	Leu	Pro	Ser	Thr	Ala	Glu
1				5					10					15	
Gln	Pro	Ala	Arg	Glu	Val	Glu	Gly	Leu	Gly	Arg	Ala	Pro	Gly	Lys	Glu
			20					25					30		
Trp	Glu	Met	Val	Arg	Ile	Gly	Val	Gly	Gly	Ala	Lys	Arg	Gly	Xaa	Ser
		35					40					45			
Pro	Arg	Cys	Thr												
		50													

<210> 6976

<211> 84

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6176

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Ala	Ser	Arg	His	Gln	Asn	Asn	Val	Ser	Ser	Glu	Ile	Asn	Ser	Gly	Ile
1				5				10						15	

Pro	Pro	Arg	Asn	Met	Ala	Asn	Arg	Arg	Asn	His	Lys	Glu	Trp	Gly	Pro
			20					25					30		

Gln	Gly	Gly	Gly	Trp	Ser	Asn	Asp	Glu	Leu	Thr	Thr	Leu	Ile	Ile	Pro
		35					40					45			

Ser	Lys	Trp	Val	His	Ile	Tyr	Gln	Xaa	Gly	Gly	Leu	Leu	Leu	Leu	Phe
	50					55					60				

Ala	Xaa	Met	Leu	Lys	Xaa	Xaa	Val	Gly	Cys	Phe	Xaa	Gly	Lys	Cys	Pro
65					70					75					80

Gly Glu Xaa Ser

<210> 6977

<211> 65

6177

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6178

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6179

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<400> 6977

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Asp	Phe	Gln	Ile	Xaa	Xaa	Xaa	Gly	Xaa	Phe	Gly	Ile	Tyr	Glu	Glu	Xaa
			20					25					30		

Trp	Gly	Xaa	Xaa	Xaa	Gly	Xaa	Gly	Xaa	Trp	Gly	Glu	Val	Xaa	Xaa	Ile
		35					40					45			

Phe	Gln	Gly	Gly	Leu	Xaa	Lys	Gly	Xaa	Lys	Lys	Xaa	Lys	Xaa	Xaa	Xaa
		50				55					60				

Pro

65

<210> 6978

<211> 60

<212> PRT

<213> Homo sapiens

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<400> 6978

Lys	Leu	Xaa	Arg	Leu	Leu	Val	Ser	Gly	Leu	Gly	Phe	Ser	Ser	Arg	Leu
1				5					10					15	

Asn	Xaa	Met	Ile	Pro	Lys	Xaa	Val	Xaa	Lys	Met	Xaa	Xaa	Phe	Xaa	Gly
			20					25					30		

Gly	Gln	Xaa	Gly	Ile	Xaa	Gly	Xaa	Xaa	Xaa	Xaa	Val	Gln	Pro	Xaa	Arg
		35					40					45			

Xaa	Xaa	Xaa	Pro	Leu	Pro	Cys	Phe	Xaa	Pro	Arg	Gly
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<210> 6979

<211> 65

<212> PRT

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Asn Trp Phe Gly Pro Xaa Xaa Xaa Leu Leu Xaa Gly Xaa Ala Xaa Arg
 20 25 30

Leu Xaa Glu Arg Gly Gly Xaa Xaa Arg Gly Xaa Xaa Pro Asp Trp Xaa
 35 40 45

Arg Trp Ala Xaa Leu Gly Xaa Gly Asn Arg Val Phe Ala Leu Gly Gly

6184

50

55

60

Xaa

65

<210> 6980

<211> 68

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<213> Homo sapiens

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 Xaa Val Leu His Arg Lys Val Phe Xaa Met Val Gly Ser Gln Lys Asn
 20 25 30
 Leu Pro Arg Xaa Leu Met Leu Xaa Val Xaa Phe Xaa Glu Xaa Leu Xaa
 35 40 45
 Thr Xaa Glu Xaa Asp Cys Xaa Xaa Gly Xaa Gly Xaa Cys Trp Lys Gln
 50 55 60
 Gln Glu Ala Xaa
 65

<210> 6981
 <211> 86
 <212> PRT
 <213> Homo sapiens

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6187

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<400> 6981

Phe	Gly	Thr	Gly	Asn	Ser	Thr	Ser	Asn	Pro	His	Pro	Gly	Pro	Gln	Leu
1				5					10					15	

Trp	Arg	Arg	Xaa	Leu	Gly	Arg	Glu	Leu	Ala	Ser	Ser	Pro	Ser	Thr	Xaa
			20					25					30		

Lys	Pro	Gly	Asp	Ala	Pro	Xaa	Trp	Ala	Gly	Pro	Thr	Lys	Gly	Pro	Xaa
		35					40					45			

Pro	Gln	Gly	Arg	Ala	Pro	Gly	Ala	Gly	Phe	Pro	Arg	Glu	Ala	Thr	Phe
	50					55					60				

Pro	Leu	Val	His	Gly	Pro	Gly	Ile	Asp	Ala	Pro	Phe	Gly	Gln	Xaa	Pro
65					70					75					80

Gly	Xaa	Ser	Lys	Val	Gly
				85	

<210> 6982

<211> 83

<212> PRT

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<400> 6982

Arg	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Leu	His	Ile	Trp	Gly	Gln	Phe	Cys
1				5						10				15	

Leu	His	Trp	Phe	Leu	Pro	Leu	Asp	Gly	Thr	Gly	Leu	Arg	Trp	Leu	Arg
			20					25					30		

Leu	Ala	Ala	Trp	Ala	Phe	Leu	Phe	Lys	Ile	Pro	Trp	Xaa	Gly	His	Thr
			35					40				45			

6189

Xaa Lys Thr His Xaa Ala Asp Glu Glu Asn Glu Arg Leu Arg Xaa Asp
50 55 60

Xaa Gln Xaa Leu Arg Xaa Leu Trp His Arg Gly Xaa Phe Ser Ser Pro
65 70 75 80

Xaa Lys Ser

<210> 6983

<211> 126

<212> PRT

<213> Homo sapiens

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 Val Leu Cys Phe Glu Asn Leu Phe Phe Pro Gln Xaa Ser Leu Thr Tyr
 20 25 30
 Phe Leu Gln Thr Asp Arg Ile Gln Arg Lys Asn Ser Pro Ser Phe Ile
 35 40 45
 His Tyr Glu Met Asn Phe Ser Phe Glu His Val Ile Leu Leu Phe Cys
 50 55 60
 Ser Asn Gly Asp Gln Arg Asp Thr Gly Xaa Pro Pro Val Phe Ser Ser
 65 70 75 80
 Ser Phe Gln Phe Trp Thr Xaa Lys Glu Arg Gly Leu Val Xaa Ile Val
 85 90 95
 Ala Xaa Leu Xaa Leu Xaa Gln Ala Cys Gly Asp Xaa Arg Xaa Xaa Gly

6191

	100							105							110
Val	Xaa	Gly	Ser	Arg	Val	Leu	Val	Met	Xaa	Asn	Val	Xaa	Phe		
		115						120					125		

<210> 6984

<211> 58

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6193

<400> 6984

Ile	Xaa	Asn	Phe	Pro	Xaa	Cys	Thr	Xaa	Xaa	Xaa	Leu	Ala	Xaa	Lys	Gly
1				5				10						15	

Lys	Val	Lys	Leu	Trp	Leu	Val	Ile	Gln	Xaa	Xaa	Leu	Met	Xaa	Pro	Xaa
			20					25					30		

Lys	Leu	Ala	Ala	Lys	Xaa	Gly	Xaa	Pro	Ala	Xaa	Xaa	Leu	Val	Trp	Gly
		35					40					45			

Gln	Gly	Xaa	Pro	Xaa	Val	Pro	Pro	Xaa	Xaa
	50					55			

<210> 6985

<211> 51

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<400> 6985

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1				5				10						15	

Leu	Xaa	Phe	Ser	Ser	Gly	Arg	Glu	Pro	Ala	Leu	Ala	Leu	Gly	Glu	Ser
			20					25					30		

Ser	Thr	Ala	Glu	Val	Lys	Leu	Met	Arg	Ala	His	Gln	Gly	Met	Leu	Glu
		35					40					45			

Gly	Gly	Gly
	50	

<210> 6986

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6194

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 Ala Lys Xaa Gln Ile Gln Ala His Ser Ala Pro Ser Phe Xaa Gly Phe
 20 25 30
 Pro Xaa Phe Ala Leu Arg Gly Xaa Phe Arg Gly Gly Leu Gly Pro Pro

6196

35 40 45
 Gly Xaa Gly Leu Gln Xaa Xaa Val Phe Xaa Pro His Gly Leu Xaa Xaa
 50 55 60
 Gly Pro Xaa Xaa Xaa Val Phe Pro Gly Ala Xaa Gly Xaa Xaa Gly Xaa
 65 70 75 80
 Xaa Asn Xaa Trp

<210> 6987

<211> 132

<212> PRT

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 Arg Arg Cys His Ala Xaa Val His Arg Ser Gln Cys Xaa Leu Cys Arg
 20 25 30
 Leu Gly Ala Ala Gly Glu Arg Gly Arg Gln Pro Gly Arg Gly Thr Gly
 35 40 45
 Thr Pro Gly Glu Pro Ser Arg Pro Lys Ala Leu Xaa Leu Pro Gln Ser
 50 55 60
 Val Ser Xaa Gly Leu Val Ala Leu Leu Ala Ser Arg Asn Leu Xaa Xaa
 65 70 75 80
 Pro Pro Leu His Trp Val Leu Leu Ala Leu Ala Leu Val Asn Leu Xaa
 85 90 95
 Leu Xaa Leu Pro Val Xaa Trp Gly Phe Phe Cys Cys Val Asn Tyr Cys
 100 105 110
 Gly Xaa Xaa Xaa Ala Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Asp Phe
 115 120 125
 Leu Asp Leu Trp
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6199

<210> 6988

<211> 64

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<400> 6988

Asn	Ala	Asp	Val	Xaa	Val	Pro	Ser	Leu	Ser	Gln	Xaa	Thr	Gly	Cys	Pro
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Val	Trp	Arg	Thr	Ala	Gln	Met	Gln	Leu	Tyr	Glu	His	Tyr	Gly	Lys	Cys
			20					25					30		

Ala	Gly	Lys	Lys	Arg	Gln	Leu	Val	Xaa	Pro	Thr	Phe	Ala	Leu	Val	Ser
		35					40					45			

Arg	Ala	Ser	Trp	Val	Val	Xaa	Cys	Lys	Ala	Pro	Gly	Gly	Gly	Ile	Phe
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<400> 6989

Leu	Tyr	Ser	Glu	Asp	Thr	Ile	Phe	Thr	Leu	Gly	Val	Asn	Ser	His	Xaa
1				5					10					15	

Lys	Gln	Ala	Ser	Thr	Gly	Xaa	Lys	Leu	Gly	Glu	Val	Phe	Glu
			20				25						30

<210> 6990

<211> 97

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<400> 6990
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 1 5 10 15
 Leu Glu Asn Asn Phe Pro Thr Tyr Ser Ile Xaa Ala Ser Lys Val Xaa
 20 25 30
 Gln Xaa Leu Xaa Lys Leu Arg Gly Gly Phe Gly Gly Xaa Gly Phe Phe
 35 40 45
 Thr Leu Xaa Arg Xaa Phe Phe Phe Xaa Phe Leu Xaa Arg Xaa Leu Leu
 50 55 60
 Leu Gly Glu Phe Ala Pro Gly Gly Xaa Leu Phe Ser Arg Xaa Xaa Xaa
 65 70 75 80
 Phe Xaa Gln Xaa Phe Xaa Xaa Gly Val Xaa Gly Xaa Pro Phe Xaa Glu

6203

85

90

95

Xaa

<210> 6991

<211> 43

<212> PRT

<213> Homo sapiens

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<400> 6991

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1				5					10					15	

Val	Met	Trp	Arg	Ser	Arg	Arg	Val	Ile	Asp	Gly	Pro	Xaa	Leu	Glu	Trp
			20					25					30		

Lys	Val	Gln	Ile	Pro	Ala	Thr	Gln	Leu	Lys	Arg
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<210> 6992

<211> 57

<212> PRT

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6204

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<400> 6992

Leu	Glu	Glu	Trp	Gly	Ser	Gly	Xaa	Trp	Xaa	Gln	Leu	Ile	Xaa	Xaa	Phe
1				5				10					15		

Xaa	Asp	Phe	Ile	Gly	Glu	Gly	Ser	Xaa	Gly	Xaa	Xaa	Glu	Xaa	Xaa	Thr
			20					25				30			

Val	Val	Xaa	Xaa	Cys	His	Gln	Pro	Trp	Pro	Gln	Leu	Ala	Xaa	Leu	Gly
		35					40					45			

Phe	Gly	Arg	Lys	Pro	Asp	Xaa	Xaa	Pro
	50					55		

<210> 6993

<211> 100

<212> PRT

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 Pro Leu Trp Xaa Asp Leu Leu Xaa Ile Thr Lys Leu Leu Leu Phe Ser
 20 25 30
 Gln Lys Arg Ile Ser Xaa Trp Met Val His Gly Asn Xaa Phe Xaa Xaa
 35 40 45
 Xaa Gly Xaa Xaa Xaa Gly Val Xaa Gly Xaa Xaa Xaa Xaa Xaa Phe Gly
 50 55 60
 Gly Phe Phe Gly Pro Xaa Xaa Leu Xaa Xaa Pro Pro Xaa Xaa Gly Gly
 65 70 75 80
 Phe Phe Xaa Asn Xaa Pro Xaa Phe Gly Xaa Gly Gly Gly Asn Xaa Xaa

6209

85

90

95

Pro Arg Pro Xaa
100

<210> 6994

<211> 69

<212> PRT

<213> Homo sapiens

<400> 6994

Gly Arg Ala Glu Pro Arg Arg Ala Trp Ala Val Gly Ser Gly Lys Gly
1 5 10 15

Ser Val His Ser Gly Thr Pro Val Lys Pro Val Gln Pro Ser Val Ser
20 25 30

Cys Gly His Leu Glu Ser Thr Leu Ser Leu Leu Cys Pro Ser Thr Pro
35 40 45

Arg Thr Val Ser Leu Ser Gln Met Glu Ala Glu Leu Asn Thr Leu Arg
50 55 60

Trp Met Met Glu Thr
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<210> 6995

<211> 63

<212> PRT

<213> Homo sapiens

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<400> 6995

Phe Lys Pro Asp Asp His Asn Leu Xaa Met Glu Val Val Arg Ile Phe
1 5 10 15

Gly Pro Gln Gly Pro Glu Asn Pro Gln Cys Ser Xaa Gly Asp Thr Leu
20 25 30

Gln Lys Asn Val Cys Xaa Pro Glu Lys Gly Val Gly Pro Leu Val Ala
35 40 45

Ala Ala Thr Val Pro Val Tyr Met Gly Pro Val Lys Ile Xaa Gly
50 55 60

<210> 6996

<211> 106

<212> PRT

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<400> 6996
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 1 5 10 15
 Gln Gly Ser Thr Arg Arg Met Xaa Val Met Xaa Xaa Val His Arg Xaa
 20 25 30
 Phe Leu Xaa Phe Leu Met Thr His Gly Val Leu Lys Glu Trp Glu Arg

6212

35					40					45						
Glu	Arg	Pro	Cys	Arg	Gly	Thr	Ala	Thr	Arg	Ser	Met	Asn	Arg	Ser	Ala	
50					55					60						
His	Arg	Arg	Xaa	Xaa	Trp	Arg	Thr	Ser	Ser	Asn	Asn	Ile	Xaa	Gln	Xaa	
65					70					75					80	
Phe	Gly	Ser	Pro	Cys	Ile	Leu	Arg	Leu	Lys	Arg	Arg	Ser	Ala	Arg	Lys	
85					90					95						
Asp	Asp	Gly	Xaa	Thr	His	Phe	Met	Xaa	Trp							
100					105											

<210> 6997

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 Cys Pro Arg Pro Phe Val Ser His Ser Xaa Gln Trp Gly Trp Leu Xaa
 20 25 30
 Leu Cys Gln Ala Lys Val Gln Gly Met Glu Val Gln Leu Cys Xaa Lys
 35 40 45
 Val Glu Pro Xaa Trp Asp Arg Gly Ser Phe Ser Ser Lys Ala Xaa Ala
 50 55 60
 Trp Xaa Tyr Glu Trp Xaa Xaa Arg Gly
 65 70

<210> 6998
 <211> 115
 <212> PRT
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<400> 6998

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1				5					10					15	

Gly	Ser	Ile	Thr	Thr	Ser	Ser	Phe	Ala	Gln	Xaa	Phe	Thr	Thr	Pro	His
			20					25					30		

Ser	Gln	Pro	Gly	Ser	Ala	Leu	Xaa	Thr	Val	Ser	Pro	Ala	Ser	Thr	Thr
		35					40					45			

Val	Pro	Gly	Leu	Ser	Glu	Glu	Ser	Thr	Thr	Phe	Tyr	Ser	Ser	Pro	Gly
	50					55					60				

Ser	Thr	Glu	Thr	Thr	Ala	Phe	Xaa	His	Ser	Asn	Thr	Ser	Ala	Tyr	Pro
65						70				75					80

Arg	Glu	Asn	Gly	Thr	Gly	Asn	Ser	Met	Met	Cys	Leu	Lys	Ser	Xaa	Arg
				85					90					95	

Lys	Glu	Gly	Thr	Pro	Gly	Ile	Xaa	Pro	Glu	Asp	Gly	His	Leu	Gly	Arg
			100					105						110	

Thr	Arg	Ile
		115

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<400> 6999

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Phe	His	Lys	His	Ile	Xaa	Ile	Leu	Gln	Gln	His	Phe	Xaa	Met	Val	Pro
			20					25					30		
Ala	Val	Glu	Xaa	Ser	Asn	Val	Lys	Xaa	Xaa	Xaa	Pro	Pro	Ser	His	Ile
			35				40						45		
Ala	Ser	Ser	Thr	His	Phe	Phe	Gly	Lys	Leu	Ser	Ser	Ala	Cys	Asn	Met
	50					55					60				
Leu	Pro	Lys	Xaa	Xaa	Arg	Lys	Gln	His	Trp	Arg	Pro	Val	Phe	Arg	Asn
65					70					75					80

<210> 7000

<211> 77

<212> PRT

<213> Homo sapiens

<400> 7000

Leu	Leu	Asp	Ala	Lys	Ser	Val	Phe	Thr	Lys	Thr	Ile	Gln	Met	Leu	Leu
1				5					10					15	
Asn	Tyr	Gln	Ile	Ser	Phe	Pro	Thr	Phe	Gly	Lys	Gly	Val	Ala	Leu	Ile
			20					25					30		
Pro	Tyr	Trp	Asp	Tyr	Lys	Leu	Val	Met	Val	Phe	Gly	Lys	Gln	Phe	Gly
		35					40					45			
Asn	Met	His	Gln	Lys	Leu	Leu	Thr	Phe	Phe	Ile	His	Leu	Trp	Pro	Ser
	50					55					60				
Asn	Phe	Ile	Ser	Glu	His	Leu	Phe	Tyr	Gly	Asn	Tyr	Ser			
65					70					75					

<210> 7001

<211> 33

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<213> Homo sapiens

6217

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 Leu Phe Lys Leu Ser Xaa Pro Glu Arg Xaa Lys Tyr Gln Arg Arg Xaa
 20 25 30

Asn

<210> 7002
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6218

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7002

Phe	Glu	Asn	Val	Leu	Xaa	Leu	His	Xaa	Cys	Leu	Asp	Asp	Leu	Leu	Lys
1				5				10					15		

Lys	Gln	His	Ser	Ala	Pro	Thr	Lys	Leu	Ile	Ser	Ser	Cys	Pro	Ala	Ser
			20					25					30		

Ala	Ser	Val	Ser	Ile	Pro	Ala	Leu	Gly	Phe	Xaa	Xaa	Cys	Leu	Pro	Ile
		35					40					45			

Ser	His	Asn	Gly	Ser	Phe
					50

<210> 7003

<211> 67

<212> PRT

<213> Homo sapiens

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7003

His	Glu	Val	Leu	Val	His	Ser	His	His	Leu	Pro	Ser	Val	Pro	Gln	Arg
1				5					10					15	

Phe	Thr	Leu	Ser	Leu	Met	Trp	Asp	Leu	Phe	Pro	Val	Arg	Cys	His	Tyr
			20					25					30		

Phe	Pro	Phe	Pro	Trp	Phe	Thr	Leu	Pro	His	Ile	Gly	Lys	Ala	Leu	Pro
			35				40					45			

6219

Ile Ala Phe Gly Lys Gly Lys Met Xaa Lys Xaa Asn Val Leu Xaa Ser
 50 55 60

Leu Cys Val
 65

<210> 7004
 <211> 55
 <212> PRT
 <213> Homo sapiens

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<400> 7004
 Arg Val Pro Asn Pro Arg His Thr Asp Phe Glu Phe Tyr Leu Thr Gly
 1 5 10 15

Thr Asp Met Leu Arg Leu Ser Asp Trp Glu Ser His Leu Trp Leu Leu
 20 25 30

Pro Cys Xaa Xaa Pro Asn Ser Ser Arg Leu Val Xaa Lys Xaa Xaa Lys

6220

35

40

45

Glu Xaa Ser Leu Gly Leu Gly
50 55

<210> 7005

<211> 70

<212> PRT

<213> Homo sapiens

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6221

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 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7005
 Ile Phe Val Val Ala Phe Xaa Leu Gly Leu Gln Asn Lys Ala Asp Phe
 1 5 10 15
 Xaa Phe Gln Xaa Val Pro Phe Leu Pro Xaa Gln Val Tyr Tyr Xaa Xaa
 20 25 30
 Val Leu His Xaa Val Phe Lys Lys Gln Pro Thr Ile Xaa Thr His Val
 35 40 45
 Thr Xaa Leu Cys Leu Pro Gln Phe Phe Gly Ser Leu Ala Thr Leu Val
 50 55 60
 Xaa His Val Gly Leu Asp
 65 70

<210> 7006
 <211> 62
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6222

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7006

Gly	Gly	Thr	Asp	Ser	Leu	Val	Gly	Gly	Trp	Gly	His	Glu	Thr	Arg	Xaa
1				5					10					15	

Ala	Leu	Arg	Lys	Pro	His	Cys	Arg	Gln	Thr	Phe	Leu	Asp	Glu	Glu	Ala
			20					25					30		

Leu	Pro	Arg	Val	Pro	Arg	Phe	Xaa	Phe	Phe	Val	Gly	Ile	Gly	Asn	Glu
		35					40					45			

Cys	Phe	Pro	Ser	Xaa	Ala	Ser	Phe	Cys	Thr	Phe	Thr	Val	Xaa
	50					55					60		

<210> 7007

<211> 42

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7007

Ile	Leu	Phe	Thr	Thr	Gly	Met	Cys	Gly	Ile	Cys	Asn	Tyr	Ile	Xaa	Phe
1				5					10					15	

6223

Xaa Gly Pro Ile Xaa Gly Leu Ser Phe Leu Glu Leu Ile Ile Leu Pro
 20 25 30

Tyr Tyr Xaa Ile Cys Xaa Ser Gly Ser Ile
 35 40

<210> 7008

<211> 75

<212> PRT

<213> Homo sapiens

<220>

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<222> (38)

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<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7008

Gly Thr Cys Val Leu Arg Leu Cys Leu His Cys Leu Leu Ser Pro Thr
 1 5 10 15

Lys Leu Ser Ser Pro Pro Pro Val Thr Leu Glu Leu Cys Phe Ile Phe
 20 25 30

Lys Glu Glu Arg Glu Xaa Gly Glu Val Thr Ser Xaa Thr Leu Gln His
 35 40 45

Gly His Gln Phe Phe Trp Asn Asn Leu Gly Gly Ser Thr Cys Phe Trp
 50 55 60

Glu Lys Cys Phe Gly Lys Arg Phe Trp Gly Gly
 65 70 75

<210> 7009

<211> 59

<212> PRT

<213> Homo sapiens

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6224

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7009
 Leu Gly Asn Phe Leu Asn Ser Lys Lys Ile Phe Ser Cys Ser Leu Ser
 1 5 10 15
 His Tyr Ile Trp Phe Ser Ala Tyr Lys Ser Lys Arg Ile Ile Cys His
 20 25 30
 Ser Phe Phe Lys Xaa Val Phe Phe Pro Asn Leu Xaa Xaa Asn Thr Asn
 35 40 45
 Ile Ser Ser Asn Gly Leu Pro Xaa Ser Ala Gly
 50 55

<210> 7010
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7010
 Gly Thr Ser Thr Ala Pro Ser Gln Phe Tyr Tyr Thr Ala Val Val Ser
 1 5 10 15
 Ala Tyr Lys Phe Xaa Ser Ser Cys Pro Phe Trp Pro Thr Leu Ala Leu
 20 25 30
 Ile Ile Ile Leu Lys Pro Gly Ser Ser Ile Tyr His Ala Phe Ile Leu
 35 40 45

6225

Glu Ile Asn Leu Gly Ser Asp Thr Gln Val Arg Ile Ile Tyr Gly Gly
50 55 60
Trp Arg Gln Val Ser Ser Asn Gly Thr Val Lys Gly Glu Asp Phe Ser
65 70 75 80
Thr Thr Leu Trp Arg Gly
85

<210> 7011

<211> 115

<212> PRT

<213> Homo sapiens

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<220>

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<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

6226

<400> 7011

Gly Xaa Gly Arg Pro Asp Pro Ser Glu Xaa Gln Thr Thr Ala Lys His
 1 5 10 15

Gly Gln Glu Arg Lys Cys Ser Gln Ala Tyr Ala Thr Ala Trp Trp Asp
 20 25 30

Leu Thr Val Gly Ser Ser Ser Arg Pro His Leu Pro Leu Pro Thr Thr
 35 40 45

Thr Lys Asn Ser Arg Gln Phe Leu Pro Gly Asn Asn Val Arg Ser Gln
 50 55 60

Ser Pro Glu Thr Gly Met Gly Phe Leu Glu Ser Gly Leu Asp Cys Leu
 65 70 75 80

Leu Trp Lys Thr Leu Pro Arg Ala Pro Xaa Cys Glu Ala Gln Ala Asp
 85 90 95

Gln Asp Pro Ser Asn Trp Xaa Pro Xaa Lys Leu Leu Xaa Pro Xaa Leu
 100 105 110

Val Lys Ile
 115

<210> 7012

<211> 98

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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6227

<400> 7012

Lys Ile Glu Gln Gln Thr Cys Leu Pro Asp Phe Leu Lys His Thr Lys
 1 5 10 15

Ser Tyr Gly Val Cys Ala Ile Ser Gly Met Gln Gly Ile Leu Asp Met
 20 25 30

Pro Gly Val Phe Gly Cys Leu Thr Pro Leu Glu Arg Gly Asn Gly Leu
 35 40 45

Cys Xaa Cys Thr Val Gly Ser Trp Ala Lys Asp Phe Asp Leu Cys Val
 50 55 60

Pro Ile Leu Gly Gln Gly Lys Val Pro Val Ser Thr Cys Arg Xaa Leu
 65 70 75 80

Gly Ile Asn Gln Arg Val Gly Arg Glu Asn Asn Xaa Ser Xaa Cys Leu
 85 90 95

Asp Thr

<210> 7013

<211> 24

<212> PRT

<213> Homo sapiens

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<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7013

His Glu Leu Pro Ser Lys Ile Ser Phe Glu Ile Ser Ile Leu Leu Leu
 1 5 10 15

Ser Lys Lys Lys Xaa Xaa Phe Xaa
 20

6228

<210> 7014

<211> 27

<212> PRT

<213> Homo sapiens

<220>

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<222> (8)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7014

Gly Arg Ala Thr Met Asn Ser Xaa Leu Asn Xaa Leu Gly Phe Pro Ile

1

5

10

15

Asn Ser Xaa Lys Asp Ile Xaa Xaa Phe Lys Lys

20

25

<210> 7015

<211> 18

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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6229

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<400> 7015
Arg Gly Xaa Ala Ser Met Val Asn Xaa His Pro Leu Ser Xaa Asn Phe
1 5 10 15
Trp Asn

<210> 7016
<211> 66
<212> PRT
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6230

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7016
 Ile Val Gln Asn Thr Leu Ser Asn Lys Asn Arg Val Tyr Ile Leu Leu
 1 5 10 15
 Lys Leu Ile Gln Asn Ile Ser Pro Gly Xaa Xaa Thr Phe Trp Xaa Leu
 20 25 30
 Gly Tyr Thr Leu Thr Asn Phe Lys Pro Val Lys Ser Xaa Gln Ser Leu
 35 40 45
 Phe Ser Xaa Xaa Met Xaa Phe Asn Leu Lys Phe Thr Thr Xaa Arg Leu
 50 55 60
 Pro Arg
 65

<210> 7017
 <211> 46
 <212> PRT
 <213> Homo sapiens

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6231

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (44)
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<400> 7017
Gln Ala Phe Gly Lys Ser Leu Gln Ile Leu Xaa Pro Pro Phe Tyr Lys
1 5 10 15
Glu Arg Ala Gly Leu Val Ile Cys Pro Xaa Pro Phe Pro Gly Xaa Ile
20 25 30
Xaa Thr Ser Thr Val Tyr Cys Xaa Val Leu Ser Xaa Phe Gln
35 40 45

<210> 7018
<211> 33
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (29)

6232

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7018

Gly	Asp	Thr	Asp	Thr	Xaa	Ile	Tyr	Cys	Ile	Xaa	Gly	Asn	Arg	Gly	Xaa
1				5					10					15	

Phe	Pro	Leu	Arg	Leu	Pro	Gly	Asn	Arg	Phe	Leu	Gly	Xaa	Met	Val	Pro
			20					25						30	

Glu

<210> 7019

<211> 28

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7019

Phe	Pro	Val	His	Arg	Pro	His	Arg	Gly	His	Xaa	Xaa	Trp	Pro	Gly	Cys
1				5					10					15	

Pro	Ser	Ser	Cys	Gly	Asp	Arg	Ser	Cys	Gly	Arg	Trp
			20					25			

<210> 7020

<211> 31

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<222> (7)

6233

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7020

Gly	Arg	Xaa	Gly	Thr	Ser	Xaa	Gly	Val	Pro	Ser	Lys	Glu	Ala	Thr	Val
1				5				10						15	

Pro	Asp	Leu	Lys	Xaa	Lys	Xaa	Xaa	Asp	Gln	Ile	Met	Val	Thr	Val
		20					25					30		

<210> 7021

<211> 25

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<213> Homo sapiens

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<222> (2)

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6234

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7021

Gly	Xaa	Gly	Glu	Ala	Ile	Asn	Xaa	Leu	Xaa	Arg	Phe	Asp	His	Ile	Tyr
1				5				10						15	

Thr	Lys	Xaa	Leu	Xaa	Leu	Glu	Ile	Pro
			20				25	

<210> 7022

<211> 74

<212> PRT

<213> Homo sapiens

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<222> (4)

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<220>

<221> SITE

<222> (6)

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<220>

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<222> (34)

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<220>

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<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7022

Val	Val	Cys	Xaa	Cys	Xaa	Phe	Leu	Pro	Val	Ser	Cys	Leu	Ser	Val	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6235

1	5	10	15
Ile Lys Gly Val Leu Val Ser Leu Lys Met Thr Ile Val Ser Ser Val			
	20	25	30
Ser Xaa Phe His Val Asn Leu Gln Leu Gly Thr Pro Leu Gln Lys Arg			
	35	40	45
Lys Ser Xaa Gly Arg Met Arg Glu Arg Lys Glu Xaa Lys Xaa Asp Cys			
	50	55	60
Ile Gly Pro Lys Gly Phe Pro Leu Ile Arg			
	65	70	

<210> 7023

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

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<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7023

Val Asp Leu Arg Gly Val Lys Glu Ile Asn Lys Gly Ile Phe Val Pro
1 5 10 15

Xaa Phe Pro Trp Lys Gly Ser Gln Met Ala Ile Gly Glu Met Xaa Gly

6236

20 25 30

Met Asp Thr Xaa Pro Arg Ala Ala Ser Xaa Trp Xaa
35 40

<210> 7024
<211> 17
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7024
Pro Val Leu Met Xaa Leu Lys Val Gly Asp Gln Xaa Pro Gly Leu Asn
1 5 10 15

Val

<210> 7025
<211> 34
<212> PRT
<213> Homo sapiens

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6237

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7025
Cys Trp Gly Ser Lys Trp Gly Asp Gly Glu Leu Gly Ser Pro Xaa Ser
1 5 10 15
Lys Gly Val Phe Leu Glu Thr Xaa Met Phe Trp Xaa Gln Arg Ala Xaa
20 25 30

Xaa Gly

<210> 7026
<211> 51
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7026
Gly Arg Asn Leu Ile Lys Tyr Leu Xaa Val Arg Glu Ala Gly Arg Thr
1 5 10 15

6238

Leu Glu Ser Tyr Ile Ser Ser Glu Tyr Gln Met Xaa Xaa Leu Arg Met
 20 25 30

Ser His Gln Ile Leu Cys Xaa Lys Tyr Ile Gly Ser Tyr Leu Thr His
 35 40 45

Tyr Ile Gly
 50

<210> 7027

<211> 54

<212> PRT

<213> Homo sapiens

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<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7027

Cys Leu Xaa Leu Arg Thr Leu Arg Ala Gly Tyr Gly Arg Glu Lys Lys
 1 5 10 15

Asn Xaa His Lys Asn Glu Ser Tyr Ser Lys Asn Thr Gly Pro Lys Lys
 20 25 30

Ser Phe Tyr Leu Lys Lys Leu Lys Cys Leu Ser His Tyr Lys Phe Leu
 35 40 45

Gly Leu Xaa Phe Phe Pro
 50

<210> 7028

<211> 33

<212> PRT

<213> Homo sapiens

6239

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<220>
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<220>
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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7028
Leu Arg Leu Val Ile Asn Pro Trp Xaa Leu Phe Ala Thr Glu Asn Xaa
1 5 10 15
Leu Val Leu Xaa Thr Leu Val Phe Ser Xaa Xaa Pro Trp Ile Thr Trp
20 25 30

Lys

<210> 7029
<211> 78
<212> PRT
<213> Homo sapiens

<220>
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6240

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7029
 Ala Glu Val Phe Xaa Thr Ala Ser Asp Lys Lys Ile Val Ser Leu Trp
 1 5 10 15
 Tyr Thr Pro Lys Ser Ser Ala Phe Lys Glu Ser Gln Thr Ile Thr Tyr
 20 25 30
 Leu Ser Pro Leu Leu Phe Pro Pro Xaa Gln Ala Gly Phe Ile Xaa Val
 35 40 45
 Tyr Leu Gly Phe Xaa Ser Ile His Arg Gly Thr Asp Ser Val Leu Ser
 50 55 60
 Xaa Ile Leu Lys Xaa Tyr Trp Phe Ile Ile Ala His Phe Tyr
 65 70 75

<210> 7030
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6241

<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7030
Thr Gly Ser Phe Leu Glu Trp Leu Leu Xaa Val Gly Ala Glu Ala Arg
1 5 10 15
Pro Gly His Pro Ser Ala Trp Asp Thr Pro Arg Arg Arg Gly Arg Phe
20 25 30
Leu Glu Val Gly Gly Leu Pro Leu Ala Leu Pro Ser Leu Xaa Leu His
35 40 45
Thr Gly Gly Gly Leu Glu Xaa Xaa Thr Gly Xaa Leu Ile Val Lys Thr
50 55 60
Phe Leu Phe
65

<210> 7031
<211> 25
<212> PRT
<213> Homo sapiens

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<222> (3)
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<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

6242

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<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7031
Val Pro Xaa Val Xaa Ile Pro Thr Leu Phe His Ile Phe Xaa Lys Cys
1 5 10 15
Gly Val Phe Phe Leu Xaa Ala Trp Phe
20 25

<210> 7032
<211> 32
<212> PRT
<213> Homo sapiens

<220>
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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7032
Gly Thr Gly Arg Glu Arg Thr Ser Leu Gln Phe Phe Phe Phe Phe Phe
1 5 10 15
Phe Lys Asn Trp Gly Gly Xaa Leu Gly Phe Xaa Lys Gly Xaa Gly Pro
20 25 30

6243

<210> 7033

<211> 49

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7033

Ala Asp Leu Ser Pro Arg Xaa Leu Pro Tyr Tyr Gly Arg Glu Xaa Gly

1

5

10

15

Leu Xaa Leu Leu Xaa Phe Ser Gly Lys Glu Ser Leu Gln Xaa Ser Met

20

25

30

Ser Leu Gly Ser Phe Arg Arg Arg Xaa Glu Pro Arg Leu Ala Gly Arg

35

40

45

Pro

<210> 7034

6244

<211> 17
<212> PRT
<213> Homo sapiens

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<400> 7034
Gly Thr Arg Phe Phe Phe Phe Phe Phe Xaa Xaa Asn Xaa Xaa Leu Phe
1 5 10 15

Xaa

<210> 7035
<211> 23
<212> PRT
<213> Homo sapiens

<220>
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<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (22)

6245

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7035

Ala	Glu	Leu	Glu	Phe	Phe	Phe	Phe	Phe	Phe	Gln	Arg	Gly	Gly	Glu	Val
1				5					10					15	

Xaa	Arg	Gly	Leu	Ser	Xaa	Xaa
			20			

<210> 7036

<211> 75

<212> PRT

<213> Homo sapiens

<400> 7036

His	Glu	Arg	His	Glu	Lys	Leu	Arg	Asn	Tyr	Thr	Lys	His	Ser	Tyr	Glu
1				5					10					15	

Ile	Ser	Gly	His	Gln	Asp	Asn	Gln	Lys	Ile	Ser	Gln	Ser	Leu	Pro	Lys
			20				25						30		

Arg	Glu	Lys	Lys	Ser	His	Ile	Gln	Arg	Ile	Arg	Asn	Leu	Asn	Gly	Ala
		35					40					45			

Glu	Ile	Leu	Lys	Ala	Asn	Phe	Glu	Val	Arg	Ala	Gln	Arg	Lys	Gln	Glu
	50					55					60				

Leu	Leu	Asn	Ser	Glu	Gly	Lys	Gln	Phe	Leu	Ser
65					70				75	

<210> 7037

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6246

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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6247

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7037

Xaa	Ser	Gln	Ser	Lys	Xaa	Xaa	Pro	Gly	Phe	Arg	Ser	Tyr	Pro	Xaa	Ser
1				5					10					15	

Gly	Tyr	Met	Val	Leu	Val	Ser	Ile	Phe	Cys	Xaa	Phe	Xaa	Tyr	Phe	Gln
			20					25					30		

Xaa	Ser	Leu	Xaa	Trp	Tyr	Tyr	Met	Val	Lys	Xaa	Lys	Leu	Phe	Phe	Xaa
		35					40					45			

Pro	Asp	Gln	Gly	Cys	Xaa	Ser	Ser	Pro	Cys	Leu	Xaa	Ser	Val	Pro	Lys
	50					55					60				

Xaa	Val	Phe	Trp	Gln	His	Ser	Leu	Val	Ala	Ala	Gly	Val	Val	Lys	Phe
65					70					75					80

Gly	Pro	Glu	Lys	Ala	Xaa	Xaa	Lys
				85			

<210> 7038

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7038

Gly	Arg	Ala	Leu	Phe	Tyr	Tyr	Ser	Arg	Phe	Asn	Asp	Asn	Arg	Leu	Leu
1				5					10					15	

6248

Cys Leu Ser Phe Asp Ile Leu Gln Ile Ser Lys Cys Ile Leu Leu His
20 25 30
Leu Glu Gly Asn Phe Val Val Leu Arg Lys Cys Xaa Gln Lys Met Lys
35 40 45

<210> 7039

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

6249

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7039
 Glu Asp Leu Tyr Tyr Lys Ile His Val Phe Thr Ser Val His Gly Thr
 1 5 10 15
 Phe Ser Lys Ile Asp His Met Ile Gly His Lys Thr Ser Leu Ser Lys
 20 25 30
 Phe Lys Lys Ile Lys Ile Ile Leu Ser Thr Leu Ser Glu His Ile Gly
 35 40 45
 Ile Lys Ile Arg Lys Gln Leu Xaa Lys Gly Thr Leu Gln Asn His Lys
 50 55 60
 Ile Cys Ala Xaa Xaa Thr His Xaa Leu Gln Ile Lys Gly Leu Xaa Xaa
 65 70 75 80
 Val Leu Pro Ala Xaa Gly Lys Gln Xaa Xaa Ala Gly Xaa Xaa Lys Pro
 85 90 95
 Gly Phe Cys

<210> 7040
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>

6250

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7040

Leu	Leu	Ser	Pro	Leu	Leu	Leu	Trp	Lys	Val	Lys	Phe	Leu	Asp	Pro	Arg
1				5					10					15	

Phe	Asn	Phe	Lys	Ile	Val	Asn	Leu	Ile	Met	Ser	Gly	Gly	Asn	Leu	Leu
			20					25					30		

Lys	Lys	Thr	Leu	Cys	Ser	Thr	Ser	Leu	Val	Ala	Leu	Cys	Leu	Xaa	Met
			35				40					45			

Thr	Phe	Arg	Leu	Pro	Val	Gln	Lys	Met	Glu	Asp	Ile	Lys	Leu	Cys	
	50					55					60				

<210> 7041

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7041

Gly	Arg	Glu	Lys	Glu	Trp	Asn	His	Val	Lys	Phe	Ser	Val	Xaa	Pro	Xaa
1				5					10					15	

Xaa

<210> 7042

<211> 38

<212> PRT

6251

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7042

Xaa	Lys	Thr	Xaa	Phe	Leu	Gly	Leu	Xaa	Leu	Cys	Ser	Leu	Leu	Gln	Asp
1				5				10						15	

Leu	Leu	Cys	Ser	Val	Asn	Ile	Xaa	Cys	Trp	Val	Gln	Leu	His	Ala	Pro
			20					25					30		

Cys	Cys	Xaa	Phe	Thr	Cys
					35

<210> 7043

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6252

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7043

Leu Pro Gln Ala Gln Pro Val Ser Arg Leu Gln Leu Arg Pro Leu Leu
1 5 10 15

Asn Ser Leu Tyr Val Val Gln Ser Glu Ser Pro Ser Gln Ser Thr Asn
20 25 30

Leu Leu Xaa Leu Leu Cys Phe Lys Pro Phe Xaa Gly Ser Tyr Phe Gln
35 40 45

Leu Asp Glu Val Gln Ala Cys Xaa Arg Ala Val Arg Val Thr Trp Pro
50 55 60

Asp Pro Pro Leu Ile
65

<210> 7044

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7044

Ala Xaa Xaa Ile Arg Ala Ala Leu Glu Leu Gly Tyr Met Ala Asn Ile
1 5 10 15

Phe Ser Lys Phe Ser Glu Leu Asn Leu Lys Phe Gln Gly Tyr Ala Ile
20 25 30

Ser Lys Arg Lys Ser Thr Leu Ser Arg Asn Ile Val Leu Ala Asn Ile
35 40 45

6253

His Tyr Lys Leu Ser Leu Phe
 50 55

<210> 7045

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7045

Ser Arg Xaa Ile Lys Leu Gln Leu Arg Gly Glu Lys Trp Val Thr Pro
 1 5 10 15

Gly Arg Ile His Leu Gly Trp Pro Ser Gly Arg Thr Glu Phe Thr Lys
 20 25 30

Leu Thr Xaa Ser Leu Val Xaa Gly Ile Tyr Xaa Gly Arg Xaa
 35 40 45

<210> 7046

<211> 60

<212> PRT

<213> Homo sapiens

6254

<220>
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 <222> (26)
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<220>
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 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7046
 Lys Phe Ser Ala Gly Gln Thr Lys His Ile Cys Glu Leu Asn Val Glu
 1 5 10 15
 Val Ile His Leu Lys Pro Leu Leu Gly Xaa Phe Phe Ser Thr Glu Phe
 20 25 30
 Ser Gln Leu Ser Arg Val Gly Thr Tyr His Lys Gly Xaa Lys Arg Val
 35 40 45
 Val Pro Arg Gly Pro Val Gly Val Gly Val Xaa Pro
 50 55 60

<210> 7047
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (29)
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<220>
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6255

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<220>
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<222> (35)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7047

Thr Ala Xaa Cys Ala Lys Leu Ala Lys Gly Trp Cys Ile Trp Gln Gly
1 5 10 15

Ser Ile Leu Ile His Cys His Phe Phe Phe Phe Gly Xaa Xaa Xaa Ser
20 25 30

6256

Pro His Xaa Xaa Xaa Glu Lys Lys Pro Gly Arg Lys Gly Xaa Glu Xaa
 35 40 45

Glu Xaa Phe Phe Pro His Leu Ala Leu Leu Ser Xaa Glu Arg Leu Gly
 50 55 60

Pro Pro Val Phe Phe Pro Xaa Pro
 65 70

<210> 7048

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7048

Met Gln Gly Val Pro Leu Asn Gly Tyr Trp Cys Asn Pro Gly Gln Lys
 1 5 10 15

Ile Val Val Val Trp Xaa Arg Ile Met Gly Ser Arg Phe Gly Glu Thr
 20 25 30

Gly Xaa Glu Leu Gly Arg Thr Arg Lys
 35 40

<210> 7049

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6257

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7049

Ile	Val	Lys	Leu	Ser	Val	Thr	Val	Tyr	Thr	Ser	Val	Ser	Val	Thr	Leu
1				5					10					15	

Ile	Asn	Val	Ser	Leu	Leu	Leu	Gln	Met	His	Cys	Ile	Gly	Lys	Ala	Arg
			20					25					30		

Gly	Ser	Gly	Ile	His	Arg	Thr	Gly	Ser	Gln	Asn	Ile	Xaa	Gln	Val	Ile
		35					40					45			

Phe	Val	Gln	Gly	Asn	Gly	His	Xaa	Tyr	Gly	Ser	Ser
	50					55					60

<210> 7050

<211> 40

<212> PRT

<213> Homo sapiens

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7050

Xaa	Phe	Phe	Gly	Thr	Arg	Arg	Ser	Pro	Arg	Thr	Glu	Ala	Xaa	Gln	Gly
1				5					10					15	

Lys	Pro	Leu	Xaa	Leu	Pro	Val	Asn	Lys	Asn	Val	Val	Gly	Lys	Met	Gln
			20					25					30		

Thr	Val	Gly	Trp	Ile	His	His	Leu
		35					40

<210> 7051

6258

<211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7051
 Ser Leu Xaa Xaa Leu Ser His Thr His Leu Leu Thr Ile Glu Thr Gly
 1 5 10 15
 Asn Leu Xaa Ser Leu Leu Lys Gly Tyr Ser Glu Ala Thr Trp Ala Val
 20 25 30
 Xaa Lys Thr Ile His Lys Gln Tyr Gly Met Phe Val Ser Asp Asn Arg
 35 40 45
 Leu Gly Tyr Pro Leu Thr Xaa Trp Asn Pro Ala Ser Ala Leu Gly Ser
 50 55 60
 Pro
 65

<210> 7052
 <211> 50
 <212> PRT
 <213> Homo sapiens

6259

<220>

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7052

Lys	Arg	Gln	Val	Leu	His	Gln	Glu	Arg	Arg	Leu	Leu	Arg	Arg	Gly	Glu
1				5				10						15	

Leu	Ser	Gln	Ile	Leu	Leu	Ser	Phe	Tyr	Leu	Thr	Asp	Ile	Phe	Ser	Pro
			20					25					30		

Tyr	Xaa	Pro	Ser	Asn	Leu	Asn	Asn	Ile	Tyr	Trp	Thr	Leu	Leu	Thr	Arg
		35					40					45			

Phe	Thr
	50

<210> 7053

<211> 34

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7053

Ala	Thr	Phe	Ser	His	Val	Asn	Leu	Xaa	Leu	Ser	Ser	Gln	Val	Gln	Leu
1					5				10					15	

Leu	Xaa	Leu	Pro	Val	Gln	Tyr	Leu	Phe	Arg	Thr	Gln	Ser	Ser	Xaa	Gly
				20				25					30		

Val	Asn
-----	-----

6260

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<211> 53

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7054

Ala	Glu	Pro	Ala	Trp	Pro	His	Leu	Leu	Ala	His	Gly	Xaa	Gly	Cys	Pro
1				5					10					15	

Ala	Glu	Ala	Leu	Ala	Xaa	Ser	Tyr	Trp	His	Ser	Ser	Phe	Xaa	Arg	Ile
			20					25					30		

Ser	Ile	Leu	Thr	Glu	Ser	Phe	Cys	Arg	Ser	Cys	Glu	Leu	Asn	Tyr	Asn
		35					40					45			

Ser	Lys	Leu	Trp	Lys
				50

<210> 7055

<211> 45

<212> PRT

<213> Homo sapiens

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6261

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (42)
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<400> 7055
Trp Lys Trp Ala Glu Asn Xaa Pro Phe Pro Arg Leu Gln Cys Val Arg
1 5 10 15
Xaa Lys Glu Arg Gly Lys Lys His Asn Gly Leu Met Val Glu Asp Arg
20 25 30
Phe Ile Xaa Lys Lys Thr Asn Pro Arg Xaa Ala Ser Gly
35 40 45

<210> 7056
<211> 20
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7056
Glu Ala Arg Lys Xaa Pro Leu Lys Ser Leu Phe Lys Ser Thr Gly Gln
1 5 10 15
Glu Gly Xaa Xaa
20

6262

<210> 7057

<211> 103

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7057

Ser	His	Cys	Thr	Gln	Pro	Pro	Leu	Phe	Leu	Phe	Lys	Cys	Xaa	Val	Ser
1				5					10					15	

Lys	Pro	Asn	Gln	Pro	Phe	Ser	Thr	Ala	Ser	Ile	Ile	Lys	Ser	Thr	Glu
			20					25					30		

Thr	Asp	Val	Leu	Ser	Leu	Asn	Met	Asn	His	Asp	Ile	Phe	Ser	Tyr	Xaa
		35					40					45			

Xaa	Phe	Asp	Met	Asn	Ser	His	Thr	Tyr	Lys	Asn	Ser	Val	Tyr	Leu	Lys
	50					55					60				

Gly	Phe	Tyr	Glu	Asn	Tyr	Phe	Arg	Phe	Asn	Phe	Ile	Asp	Glu	Ala	Phe
65					70					75					80

Thr	Arg	Lys	Glu	Thr	Leu	Leu	Tyr	Leu	Ala	Asp	Val	Ser	Val	Gln	Phe
				85					90					95	

Arg	Ile	Gln	Gln	Asn	Phe	Leu
						100

<210> 7058

<211> 31

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<400> 7058
Arg Val Gln Arg Pro Arg Gly Arg Xaa Cys Leu Ile Phe Ser Asn Asn
1 5 10 15
Ser Gln Glu Ala Arg Trp Leu Gln Xaa Val Lys Glu Arg Arg Xaa
20 25 30

<210> 7059
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6264

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7059

Cys	Arg	Leu	Ser	Xaa	Leu	Ala	Cys	Lys	Xaa	Thr	Ser	Arg	Xaa	Val	Xaa
1				5					10					15	

Met	Lys	Leu	Gln	Arg	Ser	Xaa	Gly	Ala	Ala	Pro	Pro	Pro	Ala	Lys	Gly
			20					25					30		

Ser	Xaa	Xaa	Xaa	Lys	Xaa	Ala	Glu	Xaa	Gly	Xaa	Ala	Thr	Ala	Gly	Pro
			35				40					45			

Ser	Arg	Glu	Gln	Leu	Lys	Val	Asp	Leu	Asp	Asp	Leu	Val	Ala	Ala	Xaa
	50					55					60				

Cys	Leu	Tyr	Cys	Gly	Glu	Leu	Met	Ile	Arg	Ser	Ile	Asp	Arg	Pro	Xaa
65					70					75					80

Ile	Asp	Pro	Lys	Arg	Tyr	Glu	Val	Gly	Xaa	Ala	His	Leu	Xaa	Val	Gly
				85					90					95	

Gly	Xaa	Xaa	Pro	Phe	Asn	Gly	Gly	Trp	Ala	Met	Gly	Ser	Met	Asp
			100					105					110	

<210> 7060

<211> 37

<212> PRT

<213> Homo sapiens

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6266

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<400> 7060
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Ser Xaa
1 5 10 15
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Thr
20 25 30
Gln Gly Ser Pro Xaa
35

<210> 7061
<211> 78
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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6267

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6268

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 <400> 7061
 Thr Thr Ser Trp Gly Xaa Pro Gly Phe Ile Xaa Xaa Ala Xaa Xaa Asn
 1 5 10 15
 Pro Xaa Lys Xaa Phe Xaa Gly Phe Xaa Leu Xaa Lys Phe Phe Trp Pro
 20 25 30
 Phe Lys Lys Xaa Lys Lys Ile Xaa Asn Xaa Xaa Pro Xaa Phe Leu Lys
 35 40 45
 Lys Phe Xaa Pro Xaa Leu Ser Pro Pro Trp Glu Ile Phe Gly Leu Lys
 50 55 60
 Phe Asn Leu Xaa Phe Trp Gly Gly Phe Gly Gly Lys Lys Phe
 65 70 75

 <210> 7062
 <211> 24
 <212> PRT
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

6269

<400> 7062

Ala Ala Arg Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Xaa Arg Pro Ile
 1 5 10 15

Met Xaa Arg Ile Thr Ile His Trp
 20

<210> 7063

<211> 87

<212> PRT

<213> Homo sapiens

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<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7063

Cys Ile Leu Xaa Gly Val Gly Asn Met Val Val Gly Met Ala Gly Ala
 1 5 10 15

His Thr Thr Lys Leu Leu Gly Pro Asp Pro Ser Gly Asp Thr Ser Leu
 20 25 30

Val Pro Leu Val Asn Ile Trp Val Gly Leu Leu Leu Thr Val Met Thr
 35 40 45

Ala Val Ser Val Gly Met Val Leu Ile His Gly Val Thr Val Ile Thr
 50 55 60

Thr Met Asp Thr Xaa Trp Trp Pro Thr Gly Tyr Cys Xaa Asp Trp Leu
 65 70 75 80

6270

His Xaa Met Asp Val Ile Gly
85

<210> 7064

<211> 84

<212> PRT

<213> Homo sapiens

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6271

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7064

Pro Leu Xaa Gly Gly Ala Asn Leu Gly Trp Asp Leu Arg Leu Ser Xaa
1 5 10 15

Gly Ile Val Arg Glu Arg Xaa Phe Phe Pro Lys Ala Cys Phe Leu Asn
20 25 30

Tyr Pro Leu Gly Val Asn Xaa Thr Ile Xaa Thr Pro Pro His Thr Leu
35 40 45

Pro Phe Glu Gln Phe Ser Gln Leu His Leu Val Thr Ser Ile Ile Ser
50 55 60

Pro Leu Pro Lys Phe Arg Phe Xaa Ile Xaa Xaa Xaa Xaa Pro His Pro
65 70 75 80

Arg Gly Lys Ser

<210> 7065

<211> 51

<212> PRT

<213> Homo sapiens

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<221> SITE

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6272

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7065
Arg Xaa Asp Val Asn Cys Leu Lys Ser Gly Trp Ala Glu Asp Leu Gly
1 5 10 15
Ser Xaa His Ala Ile Trp Asn Thr Asp Xaa Pro Xaa Leu Ala Xaa Val
20 25 30
Gly Leu Phe Leu Xaa Phe His Thr Ser Pro Arg Pro Leu Gly Thr Ser
35 40 45
Ala Lys Leu
50

<210> 7066
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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6273

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7066

Ser	Ile	Ser	Leu	His	Xaa	Trp	Glu	Xaa	Xaa	Arg	Glu	Leu	His	Arg	Gly
1				5					10					15	

Gly	Ala	Phe	Xaa	Leu	Xaa	Leu	Gly	Thr	Ser	Pro	Gly	Cys	Asp	Ala	Asn
			20				25						30		

Ile

<210> 7067

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7067

Arg	His	Glu	Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Ser
1				5					10					15	

Glu	Ser	Tyr	Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp
			20					25					30		

Glu	Thr	Gln	Lys	Xaa	Xaa
			35		

<210> 7068

<211> 38

<212> PRT

<213> Homo sapiens

6274

<220>
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<222> (3)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7068
Arg His Xaa Gly Thr Thr Gly Gly Pro Val Pro Asn Ser Pro Xaa Ser
1 5 10 15

Xaa Ser Tyr Tyr Asn Ser Leu Ala Val Val Xaa Gln Arg Arg Asp Trp
20 25 30

Asp Xaa Pro Xaa Leu Pro
35

<210> 7069
<211> 75
<212> PRT
<213> Homo sapiens

<220>
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6275

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<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7069

Phe	Phe	Tyr	Arg	Ile	Val	Leu	Cys	Leu	His	Phe	Thr	Ser	Leu	Ser	His
1					5				10					15	

Phe	Gln	Cys	Phe	Ala	Val	Trp	Val	Lys	Leu	Ile	Pro	Phe	Gln	Phe	Pro
				20				25					30		

Asn	Pro	Leu	Xaa	Xaa	Thr	Ala	Phe	Thr	Pro	Glu	Lys	Thr	Phe	Lys	Val
			35					40					45		

Ser	Phe	Pro	Leu	Tyr	Xaa	Trp	Glu	Phe	Pro	Glu	Asn	Phe	Pro	Xaa	Asn
			50				55				60				

Pro	Ala	Leu	Gly	Trp	Val	Phe	Pro	Phe	Xaa	Xaa
65					70					75

<210> 7070

<211> 54

<212> PRT

<213> Homo sapiens

<220>

6276

<221> SITE
 <222> (5)
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7070
 Ala Trp Cys Phe Xaa Ala Ser Thr Thr Ser Ser Xaa Leu Ile Leu Ile
 1 5 10 15
 Ala Thr Leu Xaa Glu Ile Trp Xaa Pro Xaa Ile Leu Ser Asp Phe Xaa
 20 25 30
 Val Thr Gln Leu Leu Asn Cys Gln Ala Arg Xaa Ser Leu Gly Gln Gly
 35 40 45
 Asn Leu Xaa Glu Asn Pro
 50

6277

<210> 7071

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7071

Ile	Asp	Ile	Ala	Val	Ile	Lys	Lys	Ala	Ile	Asn	Gly	Gln	Val	Val	Leu
1				5				10					15		

Ile	Ile	Ile	Cys	Phe	Xaa	Leu	Ile	Tyr	Xaa	Cys	Xaa	Pro	Val	His	Xaa
			20					25					30		

Ile Xaa

<210> 7072

<211> 118

<212> PRT

<213> Homo sapiens

<220>

6278

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<400> 7072
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 1 5 10 15
 Ala Trp Phe Pro Phe Ala Ser Phe Ser Val Val Asn Thr Cys Ser Leu
 20 25 30
 Ser Gly Gly Lys Met Gly Ser Ser Ser Tyr Trp Cys Pro Cys Ser Phe
 35 40 45
 Lys Leu Val Asn Gln Asn Pro Ser Ile Thr Thr Phe Pro Val Ser Trp
 50 55 60
 Trp Asp Trp Ile Trp Thr Val Leu Tyr Val Cys Leu Leu Leu His Gln
 65 70 75 80
 Ser Cys Met Gly Ala Met Ile Phe His Ala Ser Leu Gly Leu Xaa Ser
 85 90 95
 Ile Phe His Glu Xaa Pro Leu Xaa Asn Glu Phe Ile Phe Tyr Lys Phe
 100 105 110
 Xaa Asn Ser Leu Ala Xaa
 115

6279

<210> 7073
<211> 58
<212> PRT
<213> Homo sapiens

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<400> 7073
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1 5 10 15
Pro Lys Gln Lys Thr Leu Ser Leu Phe Phe Phe Xaa Leu Lys Lys Xaa
20 25 30
Asn Asn Tyr Phe Pro Phe Cys Cys Ile Val Pro Ser Lys Xaa Ile Cys
35 40 45
Ala Ala Gln Ile Met Gly Trp Val Xaa Pro
50 55

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 1 5 10 15
 Leu Xaa Xaa Arg Xaa Arg Pro Phe Pro Leu Gly Gln Pro Lys Gly Xaa
 20 25 30
 Xaa Xaa Xaa Arg Xaa Lys Lys Pro Leu Gly Ser Gln Ile Pro Xaa Xaa
 35 40 45
 Lys Asp Leu Xaa Lys Thr Gln Xaa Arg Xaa Gln Xaa Pro Pro Leu Thr
 50 55 60
 Gln Arg Xaa Lys Phe Gly Gly Gly Ser Lys Arg Gln Phe Xaa Phe Leu
 65 70 75 80
 Gly Gln Lys Phe Xaa Gln Phe Leu Gly Asn Gln Lys Lys Xaa Gly Leu
 85 90 95
 Lys Ile Xaa Phe Leu Lys Glu Pro Ser Leu Pro Xaa Arg Xaa Ile Phe

6284

100	105	110
Lys Xaa Pro His Ile Phe Tyr Xaa Xaa Glu Lys Lys Xaa Thr Xaa Pro		
115	120	125
Leu Gly Xaa Xaa Lys Ser Xaa		
130	135	

<210> 7075

<211> 118

<212> PRT

<213> Homo sapiens

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<400> 7075

Xaa	Pro	Gly	Xaa	Ala	Leu	Cys	Pro	Glu	Xaa	Thr	Gln	Gln	Pro	Xaa	Thr
1				5					10					15	

Xaa	Leu	Asn	Xaa	Val	Gly	Ile	Leu	Gln	Asn	Xaa	Ser	Xaa	Xaa	Lys	Leu
		20						25					30		

Xaa	Lys	Pro	Val	Leu	Lys	Leu	Ile	Pro	Trp	Pro	Gly	Xaa	Ser	Ile	Pro
		35					40					45			

Xaa	Xaa	Pro	Ala	Asn	Asp	Pro	Ser	Xaa	Ile	Ala	Leu	Asn	Asp	Xaa	Pro
		50				55					60				

Phe	Xaa	Thr	Ile	Arg	Gln	Gly	Arg	Glu	Gly	Ser	Lys	Thr	Xaa	Xaa	Pro
65					70					75					80

Ser	Pro	Phe	Thr	Gln	Xaa	Lys	Ile	Gln	Xaa	Trp	Gly	Pro	Pro	Lys	Leu
				85					90					95	

Gly	Xaa	Leu	Gly	Xaa	Xaa	Tyr	Arg	Lys	Val	Thr	Pro	Glu	Leu	Thr	Gly
		100						105					110		

Arg	Gly	Leu	Lys	Ile	Phe
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6287

115

<210> 7076

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<400> 7076

Xaa Xaa Asn Asp Gln Leu Leu Ile Leu Ile Thr Met Val Xaa Ile Asp

1

5

10

15

Ser Xaa Val Val Gly Lys Phe Xaa Ile Thr Phe Leu Tyr Lys His Val

20

25

30

6288

Glu Ser Xaa Arg Ile Gln Ser Xaa Tyr
35 40

<210> 7077

<211> 64

<212> PRT

<213> Homo sapiens

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Pro Xaa Leu Val Pro Xaa Gly Glu Ile Phe Gly Asp Pro Trp Gly Asn
1 5 10 15
Pro Xaa Ala His Arg Xaa Lys Ser Pro Cys Xaa Gly Gly Ser Gln Pro
20 25 30
Trp Ala Arg Lys Thr Gly Pro Pro Leu Xaa Xaa Phe Xaa Lys Gly Arg
35 40 45
Arg Val Xaa Ile Ser Xaa Gly Ile Ser Lys Thr Leu Xaa Arg Lys Ser
50 55 60

<210> 7078
<211> 34
<212> PRT
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<400> 7078

Val	Trp	Gly	Lys	Leu	Thr	Phe	Leu	Xaa	Gln	Asn	Ser	Lys	Ala	Pro	Ser
1				5				10					15		

Xaa	Val	Lys	Gly	Arg	Pro	Phe	Arg	Val	Lys	Xaa	Xaa	Lys	Pro	Arg	Ala
			20					25					30		

Pro Ser

<210> 7079

<211> 66

<212> PRT

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<400> 7079

Thr	Ala	Ser	Ser	Gln	Ser	Pro	Ser	Asp	Asp	Xaa	Ser	Gly	Phe	Gln	Trp
1				5				10					15		

Xaa	Pro	Arg	Leu	Lys	Leu	Ser	Gly	Phe	Pro	Pro	Thr	Phe	Ser	Pro	Lys
			20					25					30		

Gly	Glu	Ile	Ala	Met	Arg	Phe	Ala	Thr	Ala	Gly	Ser	Pro	Ser	Val	Arg
		35					40				45				

Asn	Leu	Arg	Leu	Cys	Tyr	Pro	Trp	Cys	Leu	Gly	Ala	Val	Phe	Leu	Thr
						50		55			60				

Val Ile

65

6291

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<400> 7080

Xaa	Lys	His	Xaa	Ile	Xaa	Xaa	Thr	Gln	Xaa	His	Pro	Xaa	Phe	Xaa	Xaa
1				5				10					15		

Leu	Xaa	Val	Leu	Asn	Leu	Gly	Thr	Lys	Xaa	Leu	Pro	Gln	Phe	Phe	Lys
			20					25					30		

Lys	Pro	Xaa	Glu	Leu	Val	Ser	Pro	Ile	Pro	Xaa	Xaa	Asn	Trp	Xaa	Pro
		35					40					45			

Xaa	Arg	Xaa	Lys	Lys	Xaa	Gly	Leu	Gly	Pro	Leu	Gly	Leu	Thr	Leu	Gly
	50					55					60				

Lys	Lys	Gly	Leu	Xaa	Xaa	Ser	Pro	Lys	Xaa	Pro	Xaa	Ile
65					70					75		

<210> 7081

<211> 55

<212> PRT

<213> Homo sapiens

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 Ala Lys Lys Xaa Xaa Pro Phe Leu Ala Xaa Arg Gly Lys Lys Asp Pro
 1 5 10 15

 Lys Lys Ala Phe Lys Xaa Asn Pro Pro Pro Glu Lys Thr Pro Gly Thr
 20 25 30

 Xaa Arg Leu Asn Pro Leu Lys Gly Asn Gln Ala Phe Lys Lys Arg Lys
 35 40 45

 Ala Thr Asn Pro Pro Val Pro
 50 55

<210> 7082
 <211> 151
 <212> PRT
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Xaa	Xaa	Trp	Gly	Ser	Phe	Arg	Gly	Ala	Pro	Arg	Lys	Xaa	Lys	Arg	Xaa
			20					25					30		
Pro	Leu	Xaa	Pro	Xaa	Xaa	Leu	Ser	Ser	Pro	His	Gly	Gly	Pro	Phe	Xaa
		35					40					45			
Leu	Lys	Lys	Gly	Xaa	Lys	Leu	Pro	Lys	Pro	Pro	Lys	Pro	Phe	Glu	Xaa
	50					55					60				
Xaa	Arg	Asn	Phe	Pro	Phe	Pro	Pro	Xaa	Xaa	Gly	Gly	Gly	Pro	Xaa	Pro
65					70					75					80
Pro	Asn	Phe	Leu	Xaa	Lys	Lys	Xaa	Phe	Pro	Pro	Leu	Gly	Lys	Asp	Leu
				85					90					95	
Gln	Ile	Gly	Phe	Gly	Gln	Arg	Pro	Leu	Xaa	Ile	Xaa	Asn	Lys	Ala	Thr
		100						105					110		
Xaa	Gly	Gly	Lys	Xaa	Thr	Gln	Lys	Ser	Leu	Gly	Gly	Xaa	Thr	Pro	Arg
	115						120					125			
Pro	Glu	Xaa	Ala	Pro	Thr	Arg	Pro	Leu	Ala	Phe	Gly	Asn	Gln	Leu	Gly
	130					135					140				
Leu	Pro	Asn	Gln	Xaa	Ile	Pro									
145					150										

<210> 7083

<211> 46

<212> PRT

<213> Homo sapiens

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6298

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 1 5 10 15
 Ser Ser Val Ile Tyr His Ile Xaa Asn Leu Gly Pro Gly Xaa Xaa Phe
 20 25 30
 Ser Pro Asn Arg Ser Gly Cys Asn Leu Gly Gly Lys Xaa Pro
 35 40 45

 <210> 7084
 <211> 25
 <212> PRT
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6299

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<400> 7084

Thr	Lys	Gly	Pro	Xaa	Xaa	Lys	Lys	Gly	Gly	Leu	Ser	Leu	Xaa	Lys	Thr
1				5				10					15		

Xaa	Lys	Ile	Trp	Glu	Ile	Lys	Xaa	Phe
		20				25		

<210> 7085

<211> 46

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<400> 7085

Lys	Arg	Gly	Pro	Pro	Leu	Gly	Lys	Lys	Leu	Glu	Leu	His	Arg	Gly	Gly
1				5					10					15	

Gly	Arg	Ser	Thr	Thr	Asn	Trp	Ile	Pro	Arg	Ala	Ala	Gly	Xaa	Leu	His
			20					25					30		

Glu	Xaa	Ala	Glu	Trp	Tyr	Val	Trp	Ser	Xaa	Ser	Arg	Xaa	Lys
		35					40					45	

6300

<210> 7086

<211> 25

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<400> 7086

Xaa	Arg	Xaa	Val	Gly	Leu	Gly	Xaa	Xaa	Val	Val	Ala	Arg	Arg	Trp	Pro
1					5				10					15	

Gly	Trp	Cys	Trp	Arg	Ala	Trp	Pro	Val
			20				25	

<210> 7087

<211> 116

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<400> 7087

Leu	Val	Pro	Asn	Ser	Ala	Arg	Xaa	Leu	Tyr	Leu	Met	Lys	Leu	Leu	Gly
1				5					10					15	

Asn	Gly	Val	Phe	Pro	Ser	Val	Thr	Xaa	Xaa	Ile	Ser	Trp	Xaa	His	Pro
		20						25					30		

Ile	Ile	Pro	Xaa	Xaa	Xaa	Thr	Thr	Xaa	Asn	Phe	Pro	Xaa	Gly	Gly	Pro
		35					40					45			

Xaa	Xaa	Arg	Val	Lys	Xaa	Cys	Leu	Ile	Leu	Glu	Gln	Lys	Xaa	Phe	Pro
		50				55					60				

Trp	Gly	Gly	Ser	Asn	Pro	Leu	Trp	Pro	Ile	Met	Phe	Gly	Ser	Arg	Trp
65					70					75					80

Leu	Gly	Pro	Leu	Ala	Trp	Gly	Phe	Leu	Leu	Gly	Asn	Xaa	Ser	Leu	Pro
				85						90				95	

Phe	Xaa	Xaa	Gly	Thr	Xaa	Pro	Cys	Leu	Ala	Ile	Pro	Leu	Phe	Phe	Gln
			100					105					110		

Ser	Ser	Leu	Trp
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<210> 7088

<211> 130

6303

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 Gln Gly Phe Lys Xaa Val Trp Xaa Pro Lys Lys Gly Phe Asn Pro Xaa
 20 25 30
 Xaa Asn Leu Xaa Pro Phe Pro Xaa Xaa Phe Gly Glu Thr Xaa Xaa Leu
 35 40 45

6306

Asn Xaa Gly Lys Ile Xaa Xaa Gly Gly Gly Phe Phe Xaa Ile Trp Xaa
 50 55 60

 Phe Pro Pro Pro Lys Xaa Xaa Leu Xaa Lys Lys Thr Pro Pro Pro Xaa
 65 70 75 80

 Phe Phe Xaa Gly Gly Lys Lys Arg Xaa Phe Pro Lys Lys Asn Phe Gly
 85 90 95

 Xaa Xaa Ile Phe Phe Leu Lys Asn Leu Lys Pro Pro Pro Pro Phe Gly
 100 105 110

 Lys Thr Phe Gly Gly Glu Thr Gln Thr Pro Lys Pro Lys Gly Pro Phe
 115 120 125

 Phe Lys
 130

<210> 7089

<211> 74

<212> PRT

<213> Homo sapiens

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6307

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<400> 7089

Thr	Leu	Glu	Arg	Ser	Leu	Gly	Leu	Xaa	Asn	Ile	Xaa	Lys	Ile	Xaa	Glu
1				5				10					15		

Trp	Ser	Trp	Ala	Leu	Lys	Xaa	Thr	Tyr	Gln	Glu	His	Gln	Glu	Asn	Ser
			20				25					30			

Ile	Xaa	Ile	Gln	Tyr	Lys	Ser	Tyr	Xaa	Ser	Arg	Pro	Ile	Ile	Ser	Phe
		35					40					45			

Glu	Leu	Glu	Lys	Pro	Asn	Gly	Glu	Pro	Leu	Thr	Gln	Ile	Asn	Thr	Leu
	50					55					60				

Ser	Phe	Ser	Gln	Leu	Gly	Ala	Arg	His	Leu
65					70				

<210> 7090

<211> 17

<212> PRT

<213> Homo sapiens

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<400> 7090

Val	Phe	Phe	Phe	Phe	Phe	Xaa	Phe	Glu	Lys	Cys	Asn	Ile	Phe	Pro	Xaa
1				5				10					15		

Phe

<210> 7091

<211> 32

<212> PRT

<213> Homo sapiens

6308

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<400> 7091
Ala Arg Ser Xaa Pro Leu Leu Xaa Glu Gln Met Xaa Ala Xaa Pro Pro
1 5 10 15
Lys Val Ala Ala Val Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Xaa
20 25 30

<210> 7092
<211> 82
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<213> Homo sapiens

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 Phe Arg Val Ile Leu Leu Pro Lys Asp Gly Lys Ile Lys Ser Arg Thr
 1 5 10 15
 Lys Ser Asn Xaa Xaa Glu Xaa Xaa Ser Ile Ser Ser Thr Tyr Cys Gly
 20 25 30
 Ile Thr Ala Thr Lys Ala Leu Asp Gly Lys Ile Ile Leu Ser Cys Phe
 . 35 40 45
 Leu Cys Phe Lys Xaa Ser Pro Arg Ser Asn Val Xaa Gly Leu Gly Thr
 50 55 60
 Gly Ile Ile Xaa Leu Gln Leu Xaa Leu Lys Asn Ser Gly Tyr His Ser
 65 70 75 80

6310

Trp Xaa

<210> 7093

<211> 39

<212> PRT

<213> Homo sapiens

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<400> 7093

Xaa	Leu	Xaa	Xaa	Ser	Pro	Ile	Ile	Lys	Gly	Thr	Xaa	Ala	Gly	Xaa	Ser
1				5					10					15	

Thr Glu Ser Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln

6311

20 25 30

Glu Phe Xaa Thr Ser Xaa Ile
35

<210> 7094
<211> 71
<212> PRT
<213> Homo sapiens

<400> 7094
Arg Met Ser Tyr Leu Lys Gly Met Cys His Leu Leu Cys Asn Cys Ile
1 5 10 15
Pro Thr Arg Ser Tyr Ile Asn Val Leu Arg Gln Gln His Leu Trp Ser
20 25 30
Lys Cys Gln Ala Ser Arg Gly Thr Leu Val Lys Gly Ser Ser Gly Leu
35 40 45
Ile Trp Ile Cys Arg Phe Leu His Phe Cys Tyr Lys Ile Tyr Ser Pro
50 55 60
Leu Lys Leu Pro Leu Val Leu
65 70

<210> 7095
<211> 56
<212> PRT
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<400> 7095

Cys	Ala	Xaa	Ala	Xaa	Leu	Leu	Thr	Lys	Gly	Thr	Asn	Ser	Ala	Pro	Pro
1				5					10					15	

Pro	Lys	Val	Ala	Ala	Xaa	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg
			20					25					30		

Ser	Ser	Pro	Arg	Ala	Ala	Lys	Gln	Xaa	Xaa	Arg	Xaa	Cys	Xaa	Cys	Arg
		35					40					45			

Gly	Val	Tyr	His	Ala	Phe	Lys	Lys
	50					55	

<210> 7096

<211> 37

<212> PRT

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<400> 7096

Ala	Ala	Arg	Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6313

1	5	10	15
Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr			
	20	25	30
Gly Xaa Pro Lys Xaa			
	35		

<210> 7097

<211> 41

<212> PRT

<213> Homo sapiens

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<400> 7097

Xaa Pro His Gln Gln Lys Glu Leu Leu Xaa Ser Met Phe Gly Lys Gln
1 5 10 15

Pro Gly Gln Gly Arg Asn Ser Arg Gly Asn Xaa Lys Met Val Leu Phe
20 25 30

6314

Pro Asn Pro Xaa Xaa Xaa Pro Asn Val
35 40

<210> 7098

<211> 35

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7098

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Pro
20 25 30

Lys Xaa Xaa
35

<210> 7099

<211> 43

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<400> 7099

Xaa	Xaa	Asn	Ser	Xaa	Gly	Lys	Val	Thr	His	Trp	Trp	Gly	Ala	Leu	Asn
1				5					10					15	

Ser	Gly	Ser	Gly	Gly	Cys	Arg	Ile	Arg	His	Glu	Leu	Xaa	Pro	Xaa	Ser
			20					25					30		

Val	Xaa	Tyr	Xaa	His	Leu	Leu	Pro	Pro	Cys	Xaa
		35					40			

<210> 7100

<211> 33

<212> PRT

<213> Homo sapiens

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<400> 7100
Ala Arg Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile
1 5 10 15
His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Asn Pro Xaa Xaa
20 25 30
Xaa

<210> 7101
<211> 23
<212> PRT
<213> Homo sapiens

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<400> 7101

6317

Ala Arg Ala Glu Phe Gly Thr Arg Phe Phe Phe Phe Xaa Gly Xaa
1 5 10 15

Leu Phe Xaa Xaa Ile Thr Leu
20

<210> 7102

<211> 27

<212> PRT

<213> Homo sapiens

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<400> 7102

Leu Phe Ile Xaa Arg Asp Xaa Gly Ala His Asn Cys Xaa Val Asp Ile
1 5 10 15

Asp Leu Xaa Cys Glu Asn Ile Ser Thr Leu Glu
20 25

<210> 7103

<211> 85

<212> PRT

<213> Homo sapiens

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<222> (8)

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6318

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<400> 7103
 Leu Leu Leu Leu Cys Asn Ala Xaa Arg His Xaa Pro Trp Asp His Val
 1 5 10 15
 Ser Phe Asn Lys His Ile Gln Xaa Ala Leu Xaa Glu Leu Met Ala Ser
 20 25 30
 Lys Ala Gln Xaa Xaa Cys Phe Lys His Ser Ala Ile Ser Xaa His His
 35 40 45

6319

Leu Leu Ala Ser Ile Cys Ser Val Gly Phe Leu Pro Ser Ser Leu Met
 50 55 60
 Thr Gly Leu Tyr Xaa Lys Lys Leu Pro Pro Glu Thr Tyr Leu Xaa Leu
 65 70 75 80
 Ser Leu Leu Cys Leu
 85

<210> 7104

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7104

Arg Ser Leu Phe His Val Gly Lys Leu Leu Ala Ile Ser Val Ser Cys
 1 5 10 15
 Val Tyr Ala Tyr Val Thr Glu Cys Leu Lys Phe Leu Gln Lys Leu Ser
 20 25 30
 Lys Gln Lys His Thr Glu Val His Leu Leu Gly Glu Asp Ile Val Gly
 35 40 45
 Leu Ile Ile Tyr Pro Gly Thr Leu Arg Asn Glu Met Glu Ala Gly Asn
 50 55 60
 Xaa Asp Gly Met Gln Ile
 65 70

<210> 7105

<211> 37

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<213> Homo sapiens

<220>

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<220>

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6320

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7105

Ala	Ala	Arg	Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile
1				5				10					15		

Val	Ser	Arg	Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr
			20					25					30		

Gly	Lys	Xaa	Lys	Xaa
				35

<210> 7106

<211> 94

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7106

Ala Pro Pro Cys Gly His His Pro Cys Arg Ile Ile Cys Glu Asn Asn
1 5 10 15

Pro Xaa Pro Arg His Xaa Gly Gln Leu Ser Phe Val Ala Leu Glu Ile
20 25 30

Xaa Gly Val Pro Pro Leu Asp Pro Arg Ala His Ser Pro Ser Thr Thr
35 40 45

Xaa Val Ser Ala Ala His Gln Ile Val Pro Thr Lys Lys Met Leu Cys
50 55 60

Glu Pro Ile Cys Val Ala Asn Arg His Gly Glu Xaa Ala Asp Phe Gln
65 70 75 80

Xaa Arg Leu Pro Xaa Val Thr Xaa Lys Pro Glu Leu Gly Ser
85 90

<210> 7107

<211> 33

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7107

6322

Gly Val Phe Leu Xaa Thr Ser Gly Ser Xaa Gly Leu Asp Glu Cys Gly
 1 5 10 15

Pro Ser Tyr Gly Xaa Val Pro His Pro Pro Pro Cys Ser Pro Glu Pro
 20 25 30

Pro

<210> 7108

<211> 79

<212> PRT

<213> Homo sapiens

<220>

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<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7108

Trp Cys Gly Gly Ser Trp Glu Leu Cys Ser Phe Gly Pro Gln Thr Pro
 1 5 10 15

Pro Glu Ser Ala Val Cys Ala Phe Ile Asp Val Pro Leu Leu Cys His
 20 25 30

Val Leu Ser Gln Ala Val Ala Ala Ala Cys Ser Ala Leu Phe Phe Ile
 35 40 45

Leu Glu Pro Asp Glu Leu Leu Thr Val Asp Ser Val Ile Ser Phe Arg
 50 55 60

Met Pro Ala Pro Cys Pro Cys Ser Xaa Val Phe Ser Val Leu Pro
 65 70 75

<210> 7109

<211> 27

<212> PRT

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6323

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7109

Ile	Ser	Xaa	Leu	Val	Tyr	Val	Asn	Phe	Glu	Arg	Leu	His	Asp	Phe	Leu
1				5					10					15	

Thr	Xaa	Ile	Asp	Leu	Asp	Ala	Val	Glu	Val	Val
			20				25			

<210> 7110

<211> 43

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7110

Ser	Cys	Arg	Met	Xaa	Leu	Xaa	Leu	Lys	Gly	Thr	Lys	Ala	Gly	Ser	Ser
1				5				10					15		

Thr	Ala	Ser	Gly	Gly	Xaa	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu	Gln
			20				25					30			

Glu	Phe	Xaa	Xaa	Ser	His	Leu	Pro	Val	Ile	Arg
			35				40			

6324

<210> 7111

<211> 32

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7111

Lys	Xaa	Asn	Gly	Gly	Leu	Asp	Leu	Asn	Xaa	Val	Xaa	Xaa	Gly	Leu	Gly
1				5				10					15		

Xaa	Ala	Pro	Pro	Lys	Lys	Ser	Phe	Phe	Phe	Ser	Glu	Leu	Xaa	Gly	Ser
			20					25					30		

<210> 7112

6325

<211> 69
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 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7112
 Gly His Ser Leu Gly Lys Gly Ala Leu Xaa Phe Gly Ser Cys Gly Lys
 1 5 10 15

Met Ser Pro Pro Glu Arg Glu Ala Ala Leu Asn Xaa Val Xaa Thr Trp
 20 25 30

6326

Ala Val Gly Leu Thr Ser Xaa Gln His Xaa Xaa Lys Gly Xaa Gly Gly
 35 40 45

Leu Leu Pro Ala Leu Ile Lys Gly Gln Asn Phe Pro Pro Phe Gln Lys
 50 55 60

Xaa Gly Leu Pro Leu
 65

<210> 7113

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7113

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Xaa Xaa
 20 25 30

Lys Xaa

<210> 7114

<211> 77

<212> PRT

<213> Homo sapiens

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<222> (49)

6327

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7114

Val	Phe	Phe	Ser	Phe	Leu	Gln	Leu	Leu	Asp	Asn	Ala	Leu	Pro	Tyr	Gly
1				5					10					15	

Trp	Ala	Gln	Lys	His	Ser	Lys	Phe	Trp	Gly	Ser	Phe	Leu	Ser	Gln	Phe
			20					25					30		

Leu	Val	Glu	Gly	Trp	Gly	Ile	Pro	Val	Leu	Lys	Arg	Ile	Ser	Tyr	Ala
		35					40					45			

Xaa	Ile	Val	Ile	Val	Ile	Leu	Thr	Thr	Arg	Arg	Pro	Ala	Leu	Ile	Ile
	50					55					60				

Leu	Ser	Ser	Phe	Leu	Gln	Met	Phe	His	Leu	Gly	Pro	Xaa
65					70					75		

<210> 7115

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7115

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5					10				15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Asp	Xaa	Lys
			20					25					30		

<210> 7116

<211> 46

<212> PRT

<213> Homo sapiens

6328

<400> 7116

Arg Tyr Tyr Lys Gly Arg Phe Ile Phe Lys Leu Gln Phe Leu Lys Val
1 5 10 15

Ile Ile Asp Ser Val Val His Ser Ile Val Ile Asn His Trp Val Ser
20 25 30

Ser Val Ile Phe Val Tyr Gln Met Ile Asn Phe Gln Phe Arg
35 40 45

<210> 7117

<211> 61

<212> PRT

<213> Homo sapiens

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7117

Ser Leu Ile His Val Arg Val Ser Glu Phe Ile His Leu Ser Glu Phe
1 5 10 15

Arg Asn Phe Thr Leu Lys Leu Asn Phe His Tyr Ile Gln Ala Val Val
20 25 30

Glu Phe Phe Ser Glu Ser Leu Ile Xaa Phe Leu Ile Xaa Lys Ile Pro
35 40 45

Ile Val Ser Ser Ile Asn Ala Leu Ile Lys Tyr Cys Thr
50 55 60

<210> 7118

<211> 32

<212> PRT

<213> Homo sapiens

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<222> (31)

6329

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7118

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Asp	Xaa	Xaa
			20					25					30		

<210> 7119

<211> 20

<212> PRT

<213> Homo sapiens

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7119

Ala	Arg	Val	Phe	Phe	Phe	Phe	Leu	Gly	Gly	Pro	Lys	Phe	Tyr	Xaa	Leu
1				5				10					15		

Phe	Xaa	Lys	Lys
			20

<210> 7120

<211> 65

<212> PRT

<213> Homo sapiens

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<222> (9)

6330

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<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (45)

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<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7120

Leu	Gly	Cys	Ser	Phe	Leu	Ile	Ile	Xaa	Tyr	Ile	Thr	Glu	Asn	Trp	Thr
1				5				10						15	

Phe	Thr	Phe	Ser	Tyr	Leu	Ala	Phe	Pro	Phe	Asn	Pro	Lys	Ile	Ser	Val
			20				25					30			

Phe	Ser	Ser	Xaa	Lys	Arg	Ser	Pro	Phe	Gln	Leu	Trp	Xaa	Gln	Pro	Pro
			35				40					45			

Trp	Xaa	Xaa	Ile	Lys	Leu	Pro	Leu	Leu	Xaa	Phe	Leu	Asn	Ile	Trp	Asn
	50					55					60				

Leu
65

<210> 7121

<211> 58

<212> PRT

<213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 7121
 Gly Ser Arg Leu Glu Xaa Asp Leu Gly Arg Arg Gln Ser Leu Thr Pro
 1 5 10 15
 Ile Gly Val Arg Xaa Glu Asp Leu Leu His Ser Ser Ser Val Asp Asn
 20 25 30
 His Asn Gly Xaa Pro Arg Lys Gly Leu Ser Cys Phe Gly Leu Leu Xaa
 35 40 45
 Val Xaa Ala Val Xaa Cys His Ser Gly Xaa
 50 55

 <210> 7122
 <211> 37

6332

<212> PRT

<213> Homo sapiens

<220>

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7122

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Pro
			20					25					30		

Asn	Xaa	Xaa	Xaa	Xaa
				35

<210> 7123

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7123

Leu	Ser	Trp	Thr	Glu	Val	Cys	Gln	Ser	Arg	Tyr	Cys	Ile	Thr	Ile	Leu
1					5				10				15		

Leu	Val	Leu	Thr	Val	Phe	Thr	Xaa	Leu	Asn	Gly	Lys	Pro	Thr	Gly	Tyr
				20				25					30		

6333

Phe Leu Lys Leu Pro Leu

35

<210> 7124

<211> 33

<212> PRT

<213> Homo sapiens

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<222> (10)

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<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (18)

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<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7124

Pro Pro Pro Phe Phe Leu Gly Lys Phe Xaa Tyr Pro Xaa Pro Pro Pro

1

5

10

15

Phe Xaa Phe Pro Xaa Lys Xaa Lys Phe Phe Xaa Asn Pro Arg Leu Pro

6334

20

25

30

Xaa

<210> 7125

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

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<220>

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<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (67)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

6335

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7125

Met	Gly	Val	Leu	Val	Thr	Ala	Lys	Arg	Leu	Arg	Ser	Val	Pro	Thr	Pro
1				5					10					15	

Val	Xaa	Phe	Pro	Gly	Arg	Gly	Arg	Leu	Ser	Arg	Arg	Glu	Arg	Lys	Ala
			20					25					30		

Xaa	Xaa	Gly	Xaa	Lys	Val	Met	Arg	Gly	Xaa	Lys	Glu	Asp	Thr	Glu	Thr
		35					40					45			

Leu	Lys	Val	Glu	Pro	Val	Trp	Thr	Gln	Xaa	Lys	Glu	Ser	Leu	Arg	Ile
	50					55					60				

Ser	Met	Xaa	Glu	Lys	Glu	Lys	Lys	Arg	Ile	Ser	Arg	Ile	Val	Leu	His
65					70					75					80

Xaa	Leu	Leu	Val	Lys	Ala	Pro	Gly	Asn	Xaa	His
				85				90		

<210> 7126

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7126

Glu	Cys	Arg	Pro	Pro	Glu	Asn	Gln	Ala	Glu	Asp	Cys	Gly	Val	Arg	Cys
1				5					10					15	

Pro	Arg	Xaa	Val	Ser	Ala	Ser	Ser	Gly	Ala	Thr	Ser	Lys	Ser	Ser	Ser
			20					25					30		

Met	Asn	Pro	Thr	Glu	Thr	Lys	Ser	Leu	His	Arg	Gly	Lys	Glu	Arg	Asn
			35				40					45			

Glu	Lys	Leu	Ile	Leu	Leu	Met	Glu	Thr	Phe	Ala	Glu	Lys	Asn	Leu	His
	50					55					60				

6336

<210> 7127

<211> 23

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7127

Ile Asn Ala Ser Xaa Leu Xaa Thr Pro Xaa Leu Ile Tyr Xaa Gly Leu
1 5 10 15

Asn Phe Cys Leu Leu Cys Ala
20

<210> 7128

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

6337

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7128

Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg	Ile	Thr	Ile
1				5					10					15	

His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Pro	Lys	Xaa	Xaa
			20					25					30		

Xaa

<210> 7129

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7129

Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Ser	Glu	Ser	Tyr
1				5					10					15	

Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Val	Lys	Pro
			20					25					30		

6338

Xaa Xaa Ser Phe Xaa Xaa
35

<210> 7130

<211> 33

<212> PRT

<213> Homo sapiens

<220>

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7130

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Xaa	Pro
			20					25					30		

Lys

<210> 7131

<211> 16

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7131

Gly	Lys	Arg	Pro	Thr	Ala	Ser	Ile	Xaa	Thr	Cys	Asn	Xaa	Ser	Cys	Xaa
1				5				10					15		

6339

<210> 7132

<211> 43

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7132

Asn	Leu	Thr	Lys	Gly	Thr	Lys	Leu	Asn	Phe	His	Arg	Gly	Gly	Xaa	Ala
1				5				10						15	

Val	Xaa	Lys	Leu	Leu	Asp	Xaa	Pro	Gly	Leu	Gln	Gly	Ile	Pro	Glu	Gln
			20					25					30		

Pro	Lys	Met	Ala	Glu	Val	Gln	Val	Leu	Gly	Cys
		35					40			

<210> 7133

<211> 43

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7133

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

6340

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
 20 25 30

Gln Thr Phe Ser Phe Pro Leu Tyr Xaa Pro Thr
 35 40

<210> 7134

<211> 78

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7134

Asn Pro Pro Ser Gly Glu Ile Ser Leu Gly Pro Ser Asn Phe Gln Phe
 1 5 10 15

Phe Asn Gln Pro Lys Thr Pro Thr Pro Gln Asn Leu Tyr Phe Phe Tyr
 20 25 30

Phe Lys Asn Pro Phe Lys Xaa Pro Asn Xaa Gly Gly Pro Ile Pro Pro
 35 40 45

Pro Leu Phe Xaa Phe Glu Lys Pro Xaa Gly Gly Gly Pro Xaa Phe Leu
 50 55 60

6341

Lys Phe Leu Phe Trp Gly Gly Phe Phe Pro Gly Leu Ser Leu
 65 70 75

<210> 7135

<211> 54

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7135

Thr His Xaa Cys Leu Thr Val Ala Glu Leu Phe Glu Leu Leu Ile Gln
 1 5 10 15

Cys Xaa Leu Xaa Phe Asn Arg Ser Asn Pro Leu Pro Tyr Pro Leu Xaa
 20 25 30

6342

Ala His Val Phe Leu Thr Leu Pro Gly Cys Xaa Asn Asn Ser Pro Xaa
 35 40 45

Xaa Trp Ser Phe Pro Gln
 50

<210> 7136

<211> 34

<212> PRT

<213> Homo sapiens

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<400> 7136

Pro Pro Leu Trp Pro Val Gly Xaa Ser Pro Glu His Cys Ala Val Gly
 1 5 10 15

Pro Ser Trp Ser Xaa Leu Leu Xaa Gly Thr Val Glu Arg Pro Ser Ser
 20 25 30

Ser Lys

<210> 7137

<211> 82

<212> PRT

<213> Homo sapiens

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6343

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6344

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 <400> 7137
 Leu Xaa Gly Leu Asn Xaa Thr Pro Arg Arg Gly Gly Arg Ser Xaa Ile
 1 5 10 15
 Val Asp Pro Pro Gly Cys Xaa Asn Ser Ala Arg Ala Glu Arg Thr Ser
 20 25 30
 Leu Cys Tyr Glu Phe Xaa Ser Leu His Xaa Lys Val Lys Phe Ser Xaa
 35 40 45
 Met Ile Leu Leu Ala Val Xaa Xaa Arg Xaa Ser Val Thr Val Xaa Leu
 50 55 60
 Thr Xaa Xaa Ser Trp Xaa Thr Ser Ala Arg Ile Leu Ser Pro Xaa Ser
 65 70 75 80

 Ala Ala

<210> 7138
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
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6345

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 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 7138
 Gly Gly Gly Arg Leu Gly Gly Arg Gly Xaa Pro Ala Xaa Xaa Leu Lys
 1 5 10 15

 Glu Lys Thr Leu Lys Phe Gly Gly Lys Phe Ser Pro Pro Arg Gly Gly
 20 25 30

 Ala Trp Ala Lys Gly Gly Lys Xaa Ser Arg Gly Xaa Asn Gly Lys Gly
 35 40 45

 Xaa Glu Lys Ile Xaa
 50

 <210> 7139
 <211> 38
 <212> PRT
 <213> Homo sapiens

 <220>
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6346

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<222> (16)
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<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7139
Xaa Tyr Trp Gly His Ile Gln His Ser Leu Trp Leu Ser Thr Pro Xaa
1 5 10 15
Asn Arg His Pro Xaa Ala Gln Glu Leu Met Gly Leu Xaa Leu Arg Leu
20 25 30
Tyr Ala Arg Ala Ser Arg
35

<210> 7140
<211> 46
<212> PRT
<213> Homo sapiens

<220>
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<222> (5)
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6347

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7140

Leu	Phe	Glu	Leu	Xaa	Pro	Xaa	Trp	Ile	Lys	Thr	Gly	Ala	Pro	Pro	Pro
1				5				10					15		

Xaa	Arg	Pro	Leu	Xaa	Asn	Asn	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Ile	Arg
			20				25					30			

His	Glu	Leu	Arg	Leu	Arg	Val	Ser	Pro	Leu	Arg	Xaa	Arg	Leu
		35					40				45		

<210> 7141

<211> 34

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

6348

<400> 7141

Ser Leu Lys Xaa Ile Thr Xaa Ile Leu Ser Xaa Ser Ile Pro Lys Thr
 1 5 10 15

Gly Val Arg Ser Pro Lys Gly Ser Thr Pro Xaa Tyr Xaa Leu Leu Ser
 20 25 30

Thr Thr

<210> 7142

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

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<221> SITE

<222> (11)

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<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7142

Gly Gly Gly Xaa Leu Leu Xaa Phe Arg Ala Xaa Gly Gly Xaa Lys Ala
 1 5 10 15

Gly Leu His Arg Arg Gly Ser Arg Ser Lys Thr Asn Xaa Ser Pro Gly
 20 25 30

Leu

6349

<210> 7143
<211> 40
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7143
Ala Val Ala Xaa Ala Leu Xaa Leu Xaa Asp Pro Xaa Gly Cys Ile Asn
1 5 10 15
Ser Ala Arg Ala Asn Val Gln Leu Pro Tyr Gly Ser Ser Leu Asn Pro
20 25 30
Gly Ser Ser Asp Thr Ile Xaa Leu
35 40

<210> 7144
<211> 54
<212> PRT
<213> Homo sapiens

<220>

6350

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<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7144
Ala Thr Thr Trp Xaa Ser Phe Gln Arg His Ser Trp Gly Leu Ser Ile
1 5 10 15
Gly Leu His Ser Thr Xaa Ile Leu Gln Tyr Arg Thr Phe Asn Gly Ala
20 25 30
Val Xaa Val Leu Lys Leu Tyr Phe Ile Ser Lys Ile Xaa Met Val Met
35 40 45
His Ile Ser Glu Leu Ser
50

<210> 7145
<211> 76
<212> PRT
<213> Homo sapiens

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<220>
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6351

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7145

Ser	Leu	Gly	Asp	Ile	Lys	Val	Pro	Gly	Asn	Leu	Leu	Val	Arg	Glu	Gly
1				5				10					15		

Glu	Arg	Gly	Glu	Ser	Cys	Thr	Glu	Ser	Lys	Leu	Gln	Arg	Phe	Ala	Glu
			20					25					30		

Asp	Ser	Ser	Trp	Ser	Xaa	Gln	His	Ser	Met	Gln	Leu	Met	Phe	Ile	Gly
		35					40					45			

Ala	Ser	Tyr	Leu	Arg	Phe	Arg	Gly	Asn	Tyr	Thr	Xaa	Lys	Asp	Arg	Arg
	50					55					60				

Asn	Ser	Ala	Leu	His	Xaa	His	Arg	Thr	Glu	Arg	Lys
65					70					75	

<210> 7146

<211> 60

<212> PRT

<213> Homo sapiens

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<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

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6352

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<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7146
Cys Pro Ser Phe Asn Gly Lys Asn Trp Thr Xaa Arg Xaa Gly Gly Arg
1 5 10 15
Ser Arg Ile Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Thr Ser Leu
20 25 30
Ser Ser Leu Ser Leu Leu Xaa Gly His Arg Leu Xaa Thr Leu Xaa Trp
35 40 45
Gln Ser Leu Thr His Xaa Arg Asp Ala Gln Gly Xaa
50 55 60

<210> 7147
<211> 101
<212> PRT
<213> Homo sapiens

<220>
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6353

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 <400> 7147
 Leu Arg Ile Arg Phe Cys Pro Val Ala Ser Arg Glu Ser Pro Gly His
 1 5 10 15

 Leu Asp Tyr Leu Ile Thr Ile Thr Pro Pro Ile Val Thr Gln Leu His
 20 25 30

 Thr Xaa Met Phe Leu Lys Ile Leu Asn Arg Xaa Ser Asn Pro Leu Gly
 35 40 45

 Asn Arg Leu Ser Thr Lys Xaa Ser Pro Pro Ile Trp Leu Leu Asn Leu
 50 55 60

 Ala Pro Ser Ser His Phe Thr Tyr Xaa Val Pro Val Pro Xaa Lys Xaa
 65 70 75 80

 Arg Met Glu Xaa Pro Ala Leu Xaa Pro Gly Pro Arg Pro Phe Tyr Ile
 85 90 95

 Xaa Ala Lys Lys Lys
 100

 <210> 7148
 <211> 54
 <212> PRT

6354

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7148

Leu	His	Pro	Gln	Val	Glu	Lys	Met	Leu	Pro	Glu	His	Ala	Ala	Ala	Pro
1				5				10						15	

Ile	Ala	Ser	Cys	Leu	Ala	Lys	Thr	Asp	Pro	Gly	Asp	Ser	His	Glu	Thr
			20					25					30		

Thr	Val	Pro	Gly	Cys	Leu	His	Ser	Pro	Cys	Tyr	Val	Leu	Gly	Thr	Glu
		35					40					45			

Thr	Val	Asp	Xaa	Pro	Phe
			50		

<210> 7149

<211> 22

<212> PRT

<213> Homo sapiens

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<222> (1)

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<220>

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<222> (2)

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<221> SITE

<222> (14)

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<222> (18)

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<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

6355

<400> 7149

Xaa Xaa Val Ala Leu Leu Asn Val Tyr Asp Leu Phe Tyr Xaa Leu Arg
1 5 10 15

Ser Xaa Met Val Xaa Glu
20

<210> 7150

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7150

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Thr Pro
20 25 30

Lys Xaa

<210> 7151

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

6356

<400> 7151

Ser Ala Arg Val His Ser Glu Tyr Cys Gly Ser Pro Gly Lys Phe Val
1 5 10 15

His Arg Gly Tyr Cys His Phe Gly Lys Thr Leu Gly Cys Leu Val Arg
20 25 30

Arg Leu Gln Xaa Ala Glu Gly Gln Thr Thr Lys Gly Cys Phe Arg Val
35 40 45

Gln Leu Arg Arg Glu Xaa Gly His Gln Lys Lys Glu Pro Asp Trp Trp
50 55 60

Leu Tyr Leu His Pro Xaa Phe Lys Gln Trp Arg Ser
65 70 75

<210> 7152

<211> 34

<212> PRT

<213> Homo sapiens

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<222> (7)

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<221> SITE

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<222> (20)

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6357

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7152

Gln	Thr	Thr	Leu	Phe	Arg	Xaa	Asn	Ala	Pro	Gly	Leu	Thr	Xaa	His	Gly
1				5					10					15	

Ala	Ala	Leu	Xaa	Pro	Phe	Thr	Xaa	Cys	Xaa	Xaa	Thr	Gln	Xaa	Ser	Lys
			20					25					30		

Thr Val

<210> 7153

<211> 60

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7153

Xaa	Thr	Ile	Ala	His	Phe	Phe	Leu	Lys	Gln	Pro	Val	Lys	Gln	Xaa	Leu
1				5					10					15	

Ile	Ser	Asn	Ala	Arg	Leu	Ile	Tyr	Leu	Ser	Phe	Trp	Arg	Trp	Val	Leu
			20					25					30		

Tyr	Ser	Ser	Ser	Ser	Pro	Phe	His	Val	Pro	Pro	Asp	Leu	Leu	Val	Leu
			35				40					45			

Phe Phe Arg Tyr Ser Ile Xaa His Thr Phe Met Leu

6358

50

55

60

<210> 7154

<211> 46

<212> PRT

<213> Homo sapiens

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<400> 7154

Pro	Ile	Leu	Cys	Gln	Thr	Trp	Ser	Lys	Ser	Leu	Ser	Ser	Gly	Ser	Asn
1				5					10					15	

Thr	Ala	Ala	Met	Leu	Xaa	Leu	Ser	His	Ser	Xaa	Leu	Ala	Arg	Xaa	Glu
			20					25					30		

Glu	Lys	Lys	Lys	Val	Cys	Leu	Ser	Leu	Leu	Lys	Asp	Ser	Ala
		35					40					45	

<210> 7155

<211> 25

<212> PRT

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6359

<400> 7155

Xaa Leu Lys Asp Lys Thr Asp Pro Arg Xaa Gly Arg Ser Asn Tyr Gly
1 5 10 15

Pro Arg Leu Gln Asn Ser Ala Arg Gly
20 25

<210> 7156

<211> 34

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7156

Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Ile Pro
20 25 30

Lys Xaa

<210> 7157

<211> 79

<212> PRT

<213> Homo sapiens

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6360

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<220>

6361

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<400> 7157
 Gly Ala Pro Ala Pro Ser Pro Gly Met Arg Ile Leu Gly Tyr Xaa Ile
 1 5 10 15
 Leu Xaa Xaa Ser Xaa Ala Thr Xaa Xaa Xaa Gly Ser Gly Glu Gly Xaa
 20 25 30
 Thr Trp Asp Leu Xaa Cys Leu Met Xaa Lys Xaa Xaa Asp His Cys Xaa
 35 40 45
 Thr Ser Val Leu Leu Lys Met Ser Gly Ile Arg Xaa Arg Asp Cys Asn
 50 55 60
 Cys Arg Phe Val Thr Asp Thr Xaa Leu Ser Ile Xaa Ser Ile Ser
 65 70 75

<210> 7158
 <211> 23
 <212> PRT
 <213> Homo sapiens

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6362

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<400> 7158
Trp Gly His Arg Ala Xaa Xaa Asn Gln Xaa Pro Lys Xaa Ile Xaa Xaa
1 5 10 15
Thr His Pro Val Pro Xaa Leu
20

<210> 7159
<211> 65
<212> PRT
<213> Homo sapiens

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6363

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7159

Ala	Tyr	Lys	Lys	Glu	Lys	Glu	Gln	Ser	Gln	Glu	Arg	Thr	Xaa	Xaa	Lys
1				5					10					15	

Cys	Phe	Gly	Thr	Ser	Leu	Phe	Leu	Asp	Phe	Glu	Leu	Ser	Asn	Trp	Phe
			20					25					30		

Ser	Gln	Val	Lys	Leu	Lys	Asn	Ser	Glu	Thr	Trp	Phe	Tyr	Glu	Ser	Cys
		35					40					45			

Ser	Tyr	Thr	Phe	Leu	Xaa	Xaa	Gly	Pro	Xaa	Leu	Leu	Pro	Arg	Leu	Leu
	50					55					60				

Thr

65

<210> 7160

<211> 33

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7160

Leu	Val	Ser	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Ser	Glu	Ser
1				5					10					15	

6364

Tyr Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Thr Xaa
 20 25 30

Xaa

<210> 7161

<211> 39

<212> PRT

<213> Homo sapiens

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<222> (35)

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<400> 7161

Tyr Xaa Ser Ile Thr Xaa Lys Gly Gln Thr Asp Ser Arg Gly Gly Ala
 1 5 10 15

Leu Glu Tyr Gly Pro Arg Leu Gln Ile Arg Arg Ala Gly Val Glu Xaa
 20 25 30

Xaa Leu Xaa Pro Glu Cys His
 35

<210> 7162

6365

<211> 33
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7162
Arg His Glu Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
1 5 10 15
Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Pro Xaa Xaa
20 25 30

Xaa

<210> 7163
<211> 84
<212> PRT
<213> Homo sapiens

<220>
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6366

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<400> 7163
 Xaa Pro Ile Xaa Lys Xaa Xaa Arg Leu Cys Xaa Gln Asp Asn Arg Leu
 1 5 10 15
 Gly Asn Ser Ser Thr Arg Val Ala Lys Thr Gln Thr His Leu Leu Gly
 20 25 30

6367

Leu Xaa His Xaa Ile Ala Ile Asn Xaa Phe Pro Cys Gly Leu Leu Xaa
 35 40 45
 Glu Glu Phe Ala Leu Leu Xaa Pro Ser Gly Val Pro His Ala Arg Xaa
 50 55 60
 Ser Cys Pro Cys Arg Pro Ile Leu Ile Tyr Arg Ala Thr Arg Lys Thr
 65 70 75 80
 Ile Cys Xaa Ser

<210> 7164

<211> 48

<212> PRT

<213> Homo sapiens

<220>

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7164

Ala Ala Arg Ala Leu Pro Arg Arg Thr Xaa Glu Ile Thr Val Thr Xaa
 1 5 10 15
 Ser Ser Ala Leu Val Arg Asn Arg Glu Gln Leu Arg Leu Ser Pro Lys
 20 25 30
 Asn Leu Leu Glu Gly Leu Glu Lys Phe Leu Pro Leu Ile Pro Ala Xaa
 35 40 45

<210> 7165

6368

<211> 93

<212> PRT

<213> Homo sapiens

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<222> (35)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7165

Lys	Asn	Gln	Ala	Ala	Gly	Arg	Glu	Ser	Leu	Gln	Ser	Arg	Xaa	Glu	Val
1				5					10					15	

Glu	Tyr	Thr	Arg	Asp	Gln	Thr	His	Asp	His	Ser	Ser	Leu	Gln	Thr	Phe
			20					25					30		

Leu	Gly	Xaa	Gln	Gln	Pro	Met	Pro	Ser	Leu	Gly	Met	Leu	Pro	Leu	Cys
		35					40					45			

Cys	Glu	Glu	Leu	Ile	Leu	Val	Phe	His	His	Ser	Gly	Ser	Asn	Met	Leu
	50					55					60				

6369

Xaa Pro Thr Ser Leu Asp Xaa Pro Gly Leu Thr Ile Ile Leu Xaa Phe
 65 70 75 80

Leu Phe Val Leu Ser Thr Xaa Ser Asn Asn Xaa Thr Ser
 85 90

<210> 7166

<211> 77

<212> PRT

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<222> (34)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7166

Glu Asn Arg Tyr Ser Ser Leu Ser Xaa Asn Asn Leu Ile Pro Pro Val
 1 5 10 15

Gln Leu Lys Tyr Leu Leu Gly Lys Tyr Tyr Cys Glu Arg Arg Asn Xaa
 20 25 30

6370

Tyr Xaa Tyr Ile Leu Thr Ile Arg His Leu Xaa Arg Lys His Thr Thr
35 40 45

Leu Xaa Tyr Leu Thr Asn Trp Lys Thr His Thr Ser Gly Ala Lys Leu
50 55 60

Gln Leu Arg His Leu Phe Leu Ala Val Arg Ser Ile Xaa
65 70 75

<210> 7167

<211> 51

<212> PRT

<213> Homo sapiens

<220>

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<222> (21)

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<221> SITE

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<220>

<221> SITE

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6371

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 7167
Ser Cys Arg Xaa Gly Thr Ser Xaa Ile Val His Xaa Met Leu Val Xaa
1 5 10 15
Ile Glu Asp Asn Xaa Asp Phe Arg Lys Xaa Leu Xaa Gly Cys Cys Phe
20 25 30
Tyr Asn Xaa Xaa Ser Thr Glu Arg His Lys Pro Gln Thr Ser Ser Ser
35 40 45
Pro Arg Thr
50

<210> 7168
<211> 35
<212> PRT
<213> Homo sapiens

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<222> (27)
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<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6372

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7168

Gly	Lys	Tyr	His	Ser	Pro	Ser	Ile	Leu	Thr	Lys	Gly	Xaa	Lys	Met	Thr
1				5					10					15	

Met	Cys	Met	Xaa	Cys	Asp	Ala	Thr	Thr	Leu	Xaa	Xaa	Arg	Xaa	Tyr	Thr
			20					25					30		

Lys	Glu	Lys
		35

<210> 7169

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7169

Pro	Leu	Tyr	Leu	Leu	His	Asn	Glu	Leu	Thr	Arg	Ile	Thr	Cys	Lys	Arg
1				5					10					15	

Ala	Lys	Leu	Arg	Pro	Arg	Asn	Xaa	Glu	Leu	Leu	Arg	Thr	Leu	Lys	Asp
			20					25					30		

Thr	Pro	Ser	Met	Cys	Lys	Tyr	Gly	Lys	Ile	Ile	Val	Ser	Thr	Thr	Thr
		35					40					45			

Ser	Cys	Asp	Thr	Gly	Val	Lys	Ile	Ile	Tyr	Ser	Leu
	50					55					60

<210> 7170

<211> 48

<212> PRT

<213> Homo sapiens

<400> 7170

Pro	Leu	Lys	Asp	Lys	Arg	Thr	Pro	Ala	Gly	Ala	Ala	Leu	Thr	Met	Asp
1				5					10					15	

Pro	Gly	Leu	Gln	Asn	Ser	Ala	Arg	Ala	Gln	Thr	Gly	Lys	Thr	Arg	His
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6373

	20								25								30
Asn	Asp	Lys	His	Thr	Gly	Cys	Cys	Gly	Asp	Asn	Asp	Gln	Leu	Ser	Val		
		35						40					45				

<210> 7171

<211> 92

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (15)

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<222> (19)

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<222> (23)

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<220>

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

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<220>

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<220>

6374

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<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7171

Gly	Ile	Xaa	Val	Pro	Ser	Leu	Pro	Val	Ser	Gly	Leu	Tyr	Ala	Xaa	Arg
1				5					10					15	

Gly	Leu	Xaa	Ser	Ala	Asp	Xaa	Ile	Ser	Asp	Tyr	Val	Tyr	Thr	Ser	Ser
			20					25					30		

Thr	Asn	Cys	Val	Gln	Leu	Leu	Gly	Phe	Trp	Xaa	Xaa	Thr	Pro	Leu	Pro
		35					40					45			

Gly	His	Ala	Asp	Asp	Pro	Gly	Met	Pro	Lys	Asn	Ala	Leu	Arg	Ser	Pro
	50					55					60				

Asp	Tyr	Val	Ser	Trp	Xaa	Cys	Tyr	Met	Pro	Asn	Leu	Xaa	Ser	Ala	Thr
65					70					75					80

Xaa	His	Met	Ile	Cys	Thr	Xaa	Arg	Asn	Asp	Thr	Xaa
				85					90		

<210> 7172

<211> 43

<212> PRT

<213> Homo sapiens

<220>

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<220>

6375

<221> SITE
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7172
 Arg Xaa Xaa Leu Asp Ser Pro Arg Gly Ala Ala Leu Xaa Tyr Gly Ser
 1 5 10 15
 Pro Gly Cys Met Asn Ser His Glu His Ala Arg Gly Pro Asn Asn Ser
 20 25 30
 Glu Ala Gly Gly Ile Pro Thr Leu Xaa Leu Asp
 35 40

<210> 7173
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7173
 Lys Val Cys Ile Glu Tyr Thr Ser Gly Phe Phe Ala Leu Leu Phe Ala
 1 5 10 15
 His Cys Ser His Val Phe Phe Ile Ala Val Ser Lys Asn Ile Leu Asp

6376

20 25 30

Xaa Tyr Gly Met Leu Phe Phe Ser His Gln Leu Lys Leu Leu Lys Asn
35 40 45

Ile Xaa Tyr Ile Cys Gly Lys Asp Ser Glu Arg Ser Ile Gly Val Leu
50 55 60

Leu Xaa Val Pro Asn Cys Leu Leu
65 70

<210> 7174

<211> 64

<212> PRT

<213> Homo sapiens

<400> 7174

Glu Lys Asn Ile Ser Glu Trp Gly Ile Leu Arg Lys Met Ile Asn Thr
1 5 10 15

Ala Gln Glu Tyr Lys Lys Glu Ser Lys Ser Tyr Asn Met Ser Leu Leu
20 25 30

His Ile Tyr His Ser Ser Leu Phe Cys Phe Val Leu Asp Asp Ala Lys
35 40 45

Leu Arg Gly Leu Ala Ala Pro Ser Asn Leu Ser Met Glu Ser Asp Ser
50 55 60

<210> 7175

<211> 89

<212> PRT

<213> Homo sapiens

<220>

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<222> (46)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

6377

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7175
 Asn Pro Glu Ser Glu Arg Gly Arg Asp Asp Gly Leu Gln Ala Ser Gly
 1 5 10 15
 Pro Ser Arg Gly Pro Arg Ser Met Trp Leu Leu Pro Ser Leu Ser Val
 20 25 30
 Leu Cys Val Ala Ser Ser Ser Leu Thr Gly Tyr Pro Ala Xaa Pro Ser
 35 40 45
 Ser Phe Ser Ser Pro Thr Phe Pro Lys Gly Val Leu His Phe Tyr Phe
 50 55 60
 Gly Xaa Asn Phe Ser Trp Gly Glu Asn Xaa Gly Trp Gly Leu Pro Xaa
 65 70 75 80
 Lys Pro Xaa Gly Thr Phe Pro Ala Ile
 85

<210> 7176
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

6378

<220>

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<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7176

Thr	Ala	Ser	Gly	Ser	Trp	Asp	Lys	Leu	Gly	Phe	Thr	Leu	Ile	His	Asn
1				5					10					15	

Ser	Ile	Ser	Ser	Ser	Val	Phe	Pro	Phe	Pro	Thr	Leu	Arg	Phe	Leu	Cys
			20					25					30		

Cys	Arg	Trp	Ala	Gln	Xaa	Arg	Thr	His	Pro	Thr	Xaa	Pro	Gly	Xaa	Pro
		35					40					45			

Gly	Gly	Lys	Pro	Gly	Gly	Gly	Ala	Gly	Lys	Asn	Arg	Pro	Asn	Asp	Cys
	50					55					60				

<210> 7177

<211> 54

<212> PRT

<213> Homo sapiens

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7177

Asn	Phe	Glu	Gly	Ser	Leu	Arg	Lys	Pro	Leu	Asn	Trp	Lys	Ser	Leu	Ala
1				5					10					15	

Ala	Leu	Ser	Xaa	Ile	Ser	Val	Asn	Val	Ser	Lys	Glu	Leu	Met	Leu	Cys
			20					25					30		

Tyr	Leu	Ile	Lys	Pro	Ser	Thr	Met	Thr	Asp	Lys	Glu	Met	Glu	Ser	Pro
		35					40					45			

Glu	Met	Phe	Glu	Lys	Asp
	50				

<210> 7178

<211> 41

<212> PRT

6379

<213> Homo sapiens

<400> 7178

Arg	Met	Pro	Asn	Lys	Ala	Arg	Lys	Ser	Ile	Val	Thr	Cys	Ala	Leu	Arg
1				5					10					15	
Ala	Gln	Tyr	Leu	Tyr	Leu	Ile	Ser	Thr	Glu	Glu	Ile	Phe	Leu	Cys	Asn
			20					25					30		
Leu	Ile	Phe	Cys	Leu	Val	Leu	Val	Leu							
			35					40							

<210> 7179

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7179

Leu	Phe	Phe	Asn	Thr	Cys	Val	Pro	Val	Asn	Ile	Met	Ser	Asn	His	Lys
1				5					10					15	
Cys	Leu	Ile	Gly	Trp	Ser	Xaa	Xaa	Val	Gly	Glu	Glu	Arg	Tyr	Arg	Ser
			20					25					30		
Cys	Leu	Ile	Ser	Ile	Ser	Cys	Ser	Ala	Leu	Lys	Ile	Phe	Ile		
			35					40				45			

<210> 7180

<211> 112

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

6380

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6381

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 <400> 7180
 Asp Cys Phe Val Ser Ile Pro Ile Leu Tyr Ser Cys Ser Trp Xaa Asn
 1 5 10 15

 Xaa Asn Gln Ala Leu Ser Ile Leu Pro Lys Thr Xaa Val Cys Asp Ser
 20 25 30

 Ser Phe Gln Trp Leu Phe Ser Ile Pro Ser Xaa Arg Xaa Pro His Leu
 35 40 45

 Ser Ser Xaa Leu Pro Ser Ser Trp Thr Val Arg Cys Leu Phe Tyr Ser
 50 55 60

 Pro Phe Ser Ile Arg Val Trp Asp Gly Pro Lys Xaa Ser Ser Ser Leu
 65 70 75 80

 Asn Asn Ile Val Leu Asp Thr Xaa Ile Glu His Xaa Xaa Leu Leu Val
 85 90 95

 Ala Xaa Leu His Cys Ile Leu Val Tyr Gln Ile Xaa Pro Xaa Xaa Xaa
 100 105 110

 <210> 7181
 <211> 63
 <212> PRT
 <213> Homo sapiens

6382

<220>

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<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7181

Leu	Asp	Phe	Cys	Met	Glu	Asn	Ile	Gln	Gly	Tyr	Ile	Ser	Leu	Phe	Leu
1				5					10					15	

Tyr	Ser	Arg	Glu	Gly	His	Leu	Val	Leu	Cys	Lys	Tyr	Val	Ala	Asp	Leu
			20					25					30		

Ser	Phe	Ser	Asp	Xaa	Arg	Ala	Pro	Xaa	Leu	Lys	Val	Phe	Leu	Asn	Ala
		35					40					45			

Trp	Lys	Glu	Asn	Val	Ile	Phe	Xaa	Glu	Ser	Asn	Ile	Phe	Ile	Ser	
	50					55					60				

<210> 7182

<211> 18

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7182

6383

Leu Xaa Phe Ala Leu Ser Xaa Cys His Gly His Asp Ser Arg Ser Xaa
1 5 10 15

Ser Lys

<210> 7183

<211> 38

<212> PRT

<213> Homo sapiens

<400> 7183

Asp Ile Asp Phe Trp His Asp Arg Val Arg Arg Leu Met Lys Pro Leu
1 5 10 15

Pro Lys Lys Thr Ala Arg Lys Leu Glu Glu Asn Cys Gln Lys His Pro
20 25 30

Phe Gln Leu Pro Lys Asn
35

<210> 7184

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7184

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Lys Xaa Xaa
35

6384

<210> 7185

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7185

Cys	Cys	Gly	Leu	Cys	Val	Thr	Leu	Ser	His	Ile	Ile	Gln	Arg	Ile	Met
1				5					10					15	

Phe	Thr	Phe	Ile	Ala	Lys	Xaa	Ile	Cys	Leu	Met	Pro	Asn	Thr	Pro	Ser
			20					25					30		

Pro	Xaa	Ala	Pro	Arg	Pro	Gly	Val	Ser	Phe	Arg	Lys	Gly	Lys	Gly	Xaa
		35				40						45			

Gly	Leu	Tyr
	50	

<210> 7186

<211> 33

<212> PRT

<213> Homo sapiens

<220>

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

6385

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7186
 Lys Glu Lys Gly Lys Cys His Lys Lys Leu Glu Tyr Leu Trp Ser Leu
 1 5 10 15
 Lys Pro Trp Asn Leu Leu Xaa Gly Xaa Val Tyr Xaa Arg Asn Pro Gly
 20 25 30

Xaa

<210> 7187
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7187
 Phe Ile Tyr Xaa Cys Cys Ala Leu Thr Val Pro Xaa Ile Ile Leu Xaa
 1 5 10 15

6386

Tyr His Xaa Val
20

<210> 7188

<211> 16

<212> PRT

<213> Homo sapiens

<220>

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7188

Glu	Leu	Val	Ser	Ser	Phe	Phe	Phe	Phe	Phe	Xaa	Xaa	Xaa	Thr	Trp	Ile
1				5					10					15	

<210> 7189

<211> 60

<212> PRT

<213> Homo sapiens

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

6387

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7189

Xaa	Ser	Tyr	Xaa	Phe	Ser	Arg	Xaa	Asn	Val	Leu	Pro	Leu	Thr	Phe	Ile
1				5					10					15	

Asn	Ser	Val	Tyr	Ile	Phe	Xaa	Gln	His	Ser	Lys	Leu	Leu	Glu	Ser	Asn
			20					25					30		

Ser	Phe	Thr	Tyr	Phe	Tyr	Leu	Leu	Phe	Ser	Leu	Cys	Thr	Ala	Leu	Ser
		35					40					45			

Cys	Ile	Val	Phe	Gln	His	Met	Arg	Leu	Thr	Ala	His
	50					55					60

<210> 7190

<211> 24

<212> PRT

<213> Homo sapiens

<220>

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<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7190

Val	Asn	Thr	Ile	Pro	Xaa	Thr	Arg	Leu	Arg	Gly	Xaa	Thr	Cys	Gln	Ile
1				5					10					15	

Val	Leu	Ser	Leu	Ala	Met	Tyr	Pro
			20				

<210> 7191

<211> 36

<212> PRT

<213> Homo sapiens

6388

<220>
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<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7191
 Gly Glu Leu Leu Gln Glu Thr Ala Asp Phe Gly Xaa Lys Leu Leu
 1 5 10 15
 Leu Xaa Xaa Ser Pro Gly Gly Thr Val Pro Thr Val Ser Trp Arg Asn
 20 25 30
 Asn Xaa Leu Xaa
 35

<210> 7192
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7192

Tyr	Ala	Leu	Ser	Lys	Leu	Thr	Xaa	Thr	Lys	Xaa	Asn	Lys	Ser	Trp	Xaa
1				5				10						15	

Ser	Thr	Gly	Gly	Gly	Gly	Gly	Xaa	Lys	Xaa	Xaa	Gly	Ser	Pro	Gly	Xaa
			20					25					30		

Lys

<210> 7193

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7193

Leu Val Pro Asn Ser Ala Arg Val Ser Pro Gly Ile Gln Ala Phe Arg

6390

1	5	10	15
Ala Thr Gly Pro Leu Asn Tyr Trp Pro Glu Leu Pro Thr Leu Pro Val	20	25	30
Gln Arg Leu Trp Cys Tyr Gly Gly Pro Leu His Ser Lys Ser Ser Xaa	35	40	45
Ile Ser Lys His Leu Leu His	50	55	

<210> 7194

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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6391

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<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7194

Ala	Asn	Leu	Thr	Leu	Xaa	Phe	Met	Leu	Ala	Ser	Xaa	Leu	Xaa	Asp	Gln
1				5					10					15	

Lys	Glu	Lys	Xaa	Lys	Leu	Ser	Pro	Glu	Phe	Xaa	Asn	Tyr	Gly	Glu	Lys
			20					25					30		

Leu	Ile	Leu	Ile	Val	Thr	His	Xaa	Ala	Thr	Leu	Ser	Leu	Phe	Cys	Phe
								40					45		

6392

Val Phe Pro Ser Asn Xaa Xaa Lys Cys Xaa Glu Pro Arg Leu Leu Xaa
 50 55 60

Xaa Xaa Ala Xaa Xaa Phe His Leu Pro Trp Leu Leu Ile Pro Pro Lys
 65 70 75 80

Leu Gln Asn Pro Ile Leu Gly Xaa Asn Leu Ser Ala
 85 90

<210> 7195

<211> 46

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7195

Leu Tyr Xaa Leu Leu Ser Pro Asn Gln Val Tyr Met Trp Phe Asp Lys
 1 5 10 15

Tyr Tyr Ser Ile Leu Met Gly Ile Leu Met Gln Arg Ile Xaa Xaa Gly
 20 25 30

Ile Val Leu Glu Ile Tyr Lys Ile Lys Thr Val Cys Leu Ile
 35 40 45

<210> 7196

<211> 37

<212> PRT

<213> Homo sapiens

<220>

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6393

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7196

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg

1

5

10

15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr

20

25

30

Gln Ile Xaa Val Xaa

35

<210> 7197

<211> 99

<212> PRT

<213> Homo sapiens

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6394

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<222> (37)
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<222> (88)

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<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7197

Glu	Xaa	Glu	Ile	Phe	Glu	Lys	Ile	Met	Leu	Lys	Phe	Ser	Gln	Phe	Xaa
1					5				10					15	

Xaa	Lys	Asn	Leu	Ile	Phe	Xaa	Pro	Lys	Xaa	Leu	Asn	Glu	Leu	Asp	Lys
			20					25					30		

Xaa	Xaa	Lys	Ile	Xaa	Pro	Lys	Thr	Xaa	Ser	Xaa	Phe	Phe	Leu	Xaa	Ser
		35					40					45			

Pro	Lys	Xaa	Lys	Ile	Phe	Leu	Glu	Tyr	Xaa	Gly	Glu	Lys	Thr	Pro	Pro
		50				55					60				

6396

Phe Leu Trp Xaa Pro Xaa Lys Xaa Xaa Val Xaa Phe Leu Thr Thr Gly
 65 70 75 80

Gly Gly Xaa Val Phe Xaa Thr Xaa Pro Xaa Lys Lys Lys Asn Xaa Pro
 85 90 95

Pro Phe Phe

<210> 7198

<211> 76

<212> PRT

<213> Homo sapiens

<220>

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<222> (46)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7198

Phe Ser Ser Leu Lys Leu Ser Leu Glu Tyr Leu Ser Leu Leu Leu Val
 1 5 10 15

Leu Trp Leu Leu Met Ile Leu Ala Phe Ser His Phe Asp Phe Val Leu
 20 25 30

Lys Lys Asn Phe Glu Pro Asn Asn Ile Pro Val Tyr Phe Xaa Pro Ile
 35 40 45

6397

Thr Phe His Glu Ser Arg Ala His Ser Xaa Xaa Pro Xaa Ile Pro Lys
 50 55 60

Thr Xaa Val Pro Thr Ile Met Gly Gly Gly Val Ser
 65 70 75

<210> 7199

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

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<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7199

Cys Lys Asp Asn Gly Lys Pro Leu Ala Gly Phe Met Glu Asp Gly Val
 1 5 10 15

Leu Asn Arg Cys Phe Trp Lys Cys Lys Val Asp Asn Gly Leu Lys Leu
 20 25 30

Xaa Thr Thr Leu Xaa Ala Trp
 35

<210> 7200

<211> 38

<212> PRT

<213> Homo sapiens

<400> 7200

Ala Arg Arg Lys Gly Cys Thr Glu Phe Glu Asp Thr Ala Ala Val Ser
 1 5 10 15

Trp Arg Glu Glu Ala Lys Gly Ala Arg Arg Leu Gln Ala Lys Gly Gly
 20 25 30

Gly Ala Trp Asp Leu Asn
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6398

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1				5					10					15	

Trp	Ser	Trp	Thr	Phe	Lys	Pro	Val	Leu	Xaa	Val	Ile	Pro	Asn	Tyr	Gly
			20					25					30		

Lys	Ser	Val	Arg	Glu	Gln	Xaa	Ile	Leu	Pro	Lys	Asn	Glu	Xaa	Pro	Cys
		35					40					45			

Arg	Lys	Pro	Glu
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6399

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 1 5 10 15
 Asn Pro Thr Xaa Thr Ser Xaa Xaa Xaa Xaa Xaa Trp Xaa Phe Xaa Ile
 20 25 30
 Phe Leu Pro Pro Ile Ser Tyr Pro Lys Gln Asn Lys Xaa Pro Phe Ser
 35 40 45
 Ile Ile Ser Xaa Asn Ile Gln Tyr Cys Pro Cys Gly Ile Phe Leu Asn
 50 55 60
 Ser Leu
 65

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 Xaa Asn Leu Ser Xaa Xaa Xaa Asn Thr Xaa Pro Val Cys Xaa Ser Thr
 20 25 30
 Cys Lys Leu Xaa Arg Cys Leu Leu Xaa Tyr Arg Phe Ile Ser Gln Thr
 35 40 45
 Thr Val His Xaa Cys Leu Pro Arg Glu Leu Gln Asp Xaa Ile Thr Phe
 50 55 60
 Asp Xaa Ser Xaa Xaa Ile Xaa Cys Xaa Lys Val Xaa Asn Phe Asn Phe
 65 70 75 80
 Leu Xaa Asn Ile Gln Leu Phe Asn Xaa Ser Xaa Ile Thr Ser Tyr Phe
 85 90 95
 Asn Leu Asn Leu Asn Tyr Arg Lys Val Ser Xaa Leu Ser Phe Glu Xaa
 100 105 110
 Leu Leu Pro Arg Phe Asn Phe Ser Ser Leu
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Leu Leu Lys Arg Thr Lys Ser Trp Gly Pro Pro Ala Val Lys Xaa Arg
 1 5 10 15
 Phe Leu Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Gly Thr Pro
 20 25 30
 Leu Pro Glu Lys Thr Val Xaa Val
 35 40

6404

<210> 7205

<211> 73

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<400> 7205

Gln Thr Met Phe Thr Thr Cys Arg Pro Ser Ile Arg Ile Phe Leu Gly

1

5

10

15

6405

Ser Leu Met Ile Tyr Leu His Ala Ile Cys Pro Gln Gln Ile Val Ser
 20 25 30
 Gln Glu Trp Asn Xaa Gln Gly His Trp Xaa Cys Xaa Lys Val Xaa Lys
 35 40 45
 Arg Ala Xaa His Pro Leu Lys Phe Arg Phe Val Asn Ile Xaa Leu Thr
 50 55 60
 Asn Ser Asn Xaa Ala Met Xaa Phe Pro
 65 70

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<211> 32

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<400> 7206

Leu Leu Lys Gly Lys Xaa Trp Ala Pro Arg Gly Xaa Gly Arg Phe Leu
 1 5 10 15
 Thr Ser Gly Ser Pro Gly Xaa Gln Gly Ile Arg Gly Xaa Pro Pro Cys
 20 25 30

6406

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 Tyr Pro Asp Ile Pro Ala Leu Xaa Gln Arg Xaa Gly Leu Lys Lys Lys
 1 5 10 15

Ser Thr Cys Ser Phe Arg Pro Gln Ala Gln Gln Xaa Gly Glu Ile Asn
 20 25 30

6407

Cys Phe Trp Lys His Leu Gly Gly Val Trp Gly Trp Ala Xaa Lys Lys
 35 40 45

Gln Val Xaa Phe Asn Xaa Leu Leu Trp Lys Phe Cys Phe Ile Ile Ile
 50 55 60

Pro Phe Pro Leu Cys Tyr Thr Xaa Pro Xaa
 65 70

<210> 7208

<211> 61

<212> PRT

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Lys Arg Asn Trp Cys Val Asn Gln His Lys Ile Leu Glu Cys Ile Ser
 1 5 10 15

Ile Ser Ile Phe Ser Pro Thr Asn Pro Val Thr Val Val Asn Asn Gln
 20 25 30

Cys Val Asn Asn Glu Tyr Leu Phe Phe Thr Leu Phe Gln Gly Lys Thr
 35 40 45

Asn Ile Tyr Gly Thr Leu Pro Phe Glu Xaa Thr Leu Glu
 50 55 60

<210> 7209

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6408

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<400> 7209

Ala	Ala	Arg	Thr	Xaa	Pro	Glu	Ser	Val	Ser	Cys	Xaa	Pro	Glu	Ile	Thr
1				5					10					15	

Xaa

<210> 7210

<211> 56

<212> PRT

<213> Homo sapiens

<400> 7210

Ala	Arg	Ala	Glu	Phe	Gly	Thr	Ser	Pro	Asn	Glu	Leu	Leu	Asp	Pro	Asp
1				5					10					15	

Cys	Val	His	Arg	Trp	Leu	Lys	Gln	Ser	Asp	Leu	His	Leu	Gly	Asp	Glu
			20					25					30		

Ile	Ile	Gln	Val	His	Arg	Asp	Pro	Ala	Ala	Leu	Asp	Gly	Ser	Gly	Cys
		35					40					45			

Ala	Thr	Leu	Thr	Val	Val	Met	Arg
	50					55	

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<211> 36

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Leu Lys Val Trp Lys Ala Glu Phe Met Lys Lys Asn Xaa Lys Lys Ala
1 5 10 15
Xaa Ser Asn His Asp Leu Pro Ile Lys Xaa Xaa Trp Phe Gly Gly Lys
20 25 30
Gly Xaa Val Gly
35

<210> 7212
<211> 33
<212> PRT
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6410

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<400> 7212

Xaa	Leu	Leu	Lys	Gly	Gln	Lys	Leu	Xaa	Pro	His	Arg	Gly	Lys	Arg	Pro
1				5				10					15		

Leu	Leu	Xaa	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Lys	Phe	Gly	Asp	Xaa
			20					25					30		

Xaa

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<400> 7213

Ile	Cys	Pro	Gln	Asn	Pro	Leu	Asn	Pro	Leu	Val	Asn	Leu	Thr	Val	Ser
1				5				10				15			

6411

Pro Lys Xaa Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Xaa
 20 25 30

Ser Lys Lys Phe Asn Thr His Gly Arg Pro Lys Ser Ser His Xaa Leu
 35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr Xaa Xaa Ile Pro Asn Ile
 50 55 60

Leu Leu Asn Ser Ser His Pro Ile Gly Thr Asn Leu Ser Pro Tyr Arg
 65 70 75 80

Lys Asn Leu Cys Leu Leu
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<400> 7214

Gly Ala Leu Ile Xaa Arg Leu Ser Ala Ser Leu Gln Trp Gly Xaa Ser
 1 5 10 15

Pro Ile Pro Asn Phe Phe Phe Xaa Xaa Gly Ala Gln Pro Asn Ser Pro
 20 25 30

Leu

6412

<210> 7215

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Gln	Gln	His	Leu	Asn	Thr	Thr	Thr	Phe	Gln	Lys	Ser	Ser	Lys	Phe	His
1				5				10						15	

Leu	Thr	Cys	Lys	Ala	Cys	Gly	Asn	Pro	Thr	Ser	Pro	Glu	Pro	Asp	Leu
			20					25					30		

Val	Val	Asn	Tyr	Leu	Glu	Pro	Pro	Asn	Lys	Ser	Thr	Trp	Lys	Gln	Asp
		35					40					45			

Thr	Thr	Tyr	Gly	Thr	Ile	Cys	Arg	Pro	Tyr	Gln	Pro	Pro	Asp	Thr	Ile
		50				55					60				

Ile	Ser	His	Phe	Asn	Cys	Leu	Pro	Leu	Lys	Xaa	Gly	Phe	Thr	Lys	Asn
65					70					75					80

Lys	Met	Val	Leu	Pro
				85

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 Phe Ser Pro Ser Xaa Cys Leu Gln Xaa Cys Xaa Val Xaa Asn Leu Thr
 1 5 10 15

 Phe Asp Xaa Lys Thr Tyr Leu Ile Asn Asp Ser Thr Asn Phe Gly Lys
 20 25 30

 Lys Lys Pro Phe Xaa Lys Leu Xaa Lys Ile Pro Ile Leu Leu Asn Xaa
 35 40 45

 Pro Pro Ser Gly Thr Arg Glu Val Gln Asn Ser Phe Xaa Phe Gly Leu
 50 55 60

 Tyr Tyr Phe
 65

6414

<210> 7217

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<400> 7217

Asp	Thr	Ala	Glu	Ile	Ser	Lys	Phe	Cys	Leu	Lys	Ser	Asp	Lys	Val	Xaa
1				5					10					15	

Val	Ala	Leu	Ala	Leu	Xaa	Lys	Val	Gly	Asp	Ile	Phe	Asp	Tyr	Ile	Ser
		20						25					30		

Leu	Tyr	Leu	His	Ser	Xaa	Gln	Ala	Ser	Ser	Met	Asp	Cys	Lys	Asn	Leu
		35					40					45			

Arg	Glu	Gln	His	Thr	Xaa	Leu	Gln	Ser	Glu	Gln	Met	Asn
	50					55					60	

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<211> 48

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<400> 7218

6415

Lys	Asn	Tyr	Ser	Ser	Phe	Ser	Asn	Arg	Ser	Phe	Thr	Leu	Asn	Phe	Ile
1				5					10					15	
Phe	Gly	Leu	Tyr	Phe	Lys	Ile	Ser	Lys	Tyr	Met	Lys	Pro	Tyr	Leu	Gln
			20					25					30		
Xaa	Ile	Ser	Phe	Gly	Phe	Arg	Leu	Thr	Leu	Phe	Trp	Asn	Ser	Glu	Asn
		35					40					45			

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<400> 7219

Xaa	Leu	Gln	Xaa	Thr	Lys	Lys	Phe	Pro	Xaa	Phe	Tyr	Phe	Leu	Lys	Thr
1				5				10					15		

Ile	Leu	Xaa	Ile	Ser	Phe	Gly	Xaa	Arg	Xaa	Tyr	Ser	Leu	Phe	Leu	Leu
			20					25					30		

Lys	Ser	Leu	Leu	Trp	Pro	Leu	Val	Ser	Leu	Xaa	Phe	Leu	Ser	Gly	Xaa
		35				40						45			

Xaa	Asn	Xaa	Xaa	Gly	Ala	Phe	Ser	Arg	Phe	Ala	His	Ser	Thr	Xaa	Leu
	50					55					60				

Val	Lys	His	Asp	Leu	Cys	Val	Asn	Gly	Ile	Val	Trp	Thr	Pro	Trp	Xaa
65					70					75					80

Gly	Met	Leu	Gly	Lys	Thr	Lys	Glu	Gly	Pro	Glu	Leu	Pro	Thr	Ala	Gln
				85					90					95	

Glu	Gly	Xaa	Xaa	Xaa	Ala	Pro	Xaa	Leu	Glu	Leu	Lys	Pro	Pro	Pro	Lys
			100					105					110		

Met	Xaa	Pro	Tyr
			115

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<400> 7220

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-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6418

1 5 10 15
Leu Thr Ile Trp Asn Val Lys Leu Leu His Val Leu Gln Ser Lys Ser
 20 25 30
Xaa Val Lys Ser Gly Xaa Val Lys Asn Ile Ile Pro Val Gly His Cys
 35 40 45
Pro His Phe Cys Ala Gly Gly
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 Xaa Ala Ser Tyr Phe Ile Leu Leu Leu Ser Phe Ser His Tyr Tyr Asn
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 Val Ile Ile Gly Asp Leu Met Xaa Ser Gln Leu Phe Leu Ser Phe Met
 20 25 30
 Asn Ser Gly Ser Lys Lys Xaa Pro Lys Cys Leu Ser Leu Xaa Xaa Ile
 35 40 45
 Pro Gly Phe Xaa Gln Xaa Leu Xaa Ser Phe Trp Xaa Leu Xaa Xaa Thr
 50 55 60
 Xaa Ile Pro Phe Xaa Lys Lys Leu Phe Thr Trp Phe Asp Xaa Asn Pro
 65 70 75 80
 Gly Ser Ser Ile Ile Tyr Cys Leu Asn Xaa Gly Pro His Thr Xaa Pro
 85 90 95
 Ser Phe Xaa Ser Xaa Pro Xaa Xaa Lys Asn Tyr Ile Leu Xaa Xaa Xaa

6421

100

105

110

Asn Lys Ile Leu Lys Asn
115

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6423

<400> 7222

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Pro Ala Leu Xaa Gly Leu Ala Leu Phe Ala Ile Leu Trp Val Gly Cys
 1             5             10             15

Gly Ile Tyr Pro Pro Ser Leu Xaa Pro Xaa Pro Ala Ser Ser Thr Cys
             20             25             30

Ser Gly Xaa Xaa Leu Asn Thr Xaa Arg Xaa Ile Arg Ala Ser Xaa Xaa
      35             40             45

Xaa Asn Met Xaa Xaa Phe Pro Xaa Leu Lys Ile Ile Xaa Cys Phe Ser
      50             55             60

Phe Lys Lys Met Val Asn Xaa Ala Pro Leu Ala Lys Ser Pro Xaa Xaa
 65             70             75             80

Thr Arg Val Ser Phe Ser His Pro Leu Pro Phe Trp Glu Phe Phe Asn
             85             90             95

Pro Pro Phe Gln Xaa Leu Pro Leu Phe Leu Pro Trp Pro Phe Phe Leu
      100             105             110

Gly Ile Leu Arg Arg Ile Lys Lys Ser
      115             120

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 1 5 10 15
 Leu Val Lys Leu Xaa His Xaa Thr Ser Tyr Asn Asp Gly Ile Tyr Phe
 20 25 30
 Ser Arg Xaa Xaa Xaa Leu Tyr Pro Leu Gln Xaa Leu Tyr Xaa Asp Leu
 35 40 45
 His Leu Leu Leu Thr Xaa Trp Lys Thr Phe His Ile Val Leu Ile Thr
 50 55 60
 Asn Tyr Leu Ser Cys Leu Xaa Val Thr Leu Ile Tyr Ile Cys Arg Phe
 65 70 75 80
 Ser Pro

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 <211> 78
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6427

Arg Lys Thr Leu Xaa Ser Asp Xaa Xaa Leu Pro Thr Asp Leu Gln Asn
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 Gly Gln Tyr Leu Asp Xaa Leu Pro Phe Tyr Leu Leu Phe Leu Leu Gln
 20 25 30
 Xaa Xaa Xaa Gln Gly Thr Ser Ile Met Ile Xaa Lys Ile Tyr Phe Ile
 35 40 45
 Asn Met Phe Xaa Phe Thr Phe His Leu Phe His Xaa Pro Xaa Glu Tyr
 50 55 60
 Arg Cys Leu Xaa Asn Leu Ser Leu Xaa Lys Leu Gln Phe Cys
 65 70 75

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Tyr Thr Lys Val Leu Pro Asn Arg Tyr Phe Tyr Xaa Glu Lys Phe Ile
 1 5 10 15
 Xaa Lys Phe Leu Ser Leu Lys Phe Gly Phe Phe Ile Asn Leu Lys Cys
 20 25 30
 Xaa Leu Arg Ile Thr Ile Leu Asn His Trp Asp Xaa
 35 40

6428

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Thr	Tyr	Ile	Thr	Pro	Pro	Phe	Ser	Xaa	Asn	Ser	Leu	Cys	Val	Lys	Ala
1				5				10						15	
Leu	Lys	Gly	His	Ile	Pro	Leu	Ile	Pro	Phe	Ile	Asn	Gln	Ile	Val	Leu
			20					25					30		
Cys	Asn	Lys	Val	Gly	Xaa	Trp	Pro	Xaa	Asn	Ser	Phe	Lys	Xaa	Trp	Asn
		35					40					45			
Leu	Glu	Ala	Gly	Lys	Phe	Gly	Leu	Phe	Xaa	Phe	Ser	Phe	Trp	Ala	Pro
	50					55					60				
Xaa	His	Ser	Leu	Xaa	Trp	Met	Asn	Pro	Phe	Leu	Leu	Phe	Leu	Gly	Gln
65					70					75				80	
Lys	Lys	Lys	Lys	Thr	Xaa	Gly	Gly	Pro	Val	Pro	Xaa	Pro	Leu	Phe	Phe
				85					90					95	

Phe

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Thr Pro Arg Xaa Tyr Xaa Phe Phe Xaa Lys Ile Xaa Lys Ile Leu Gly

6432

1	5	10	15
Pro Tyr Phe Leu Ile His Phe Ser Ala Pro Xaa Pro Ser Phe Xaa Pro	20	25	30
Leu Xaa Xaa Phe Trp Val Asn Ser Xaa Ser Pro Gly Xaa Gly Pro Phe	35	40	45
Xaa Phe Ser Xaa Phe Pro Pro Pro Phe Pro Xaa Xaa Xaa Leu Lys Xaa	50	55	60
Pro Gln Pro Pro Xaa Phe Pro Pro Asn Xaa Xaa Xaa Phe Phe Pro Asn	65	70	75
Leu Asn Ser Pro Pro Val Pro Trp Val Pro Asn Phe Xaa Pro Leu Lys	85	90	95
Thr Phe Pro Glu Xaa Xaa Phe Phe Ile Xaa Lys Pro Leu Lys	100	105	110

<210> 7228

<211> 94

<212> PRT

<213> Homo sapiens

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Ala Ser Ile Ile Phe Phe Gln Val Gln Val Leu Lys Leu Leu Leu Asn	1	5	10	15
Leu Ser Glu Asn Pro Ala Met Thr Glu Gly Leu Leu Arg Ala Gln Val	20	25	30	
Asn Ser Leu Tyr Ile Tyr Phe Val Asn Ile His Ile Tyr Thr Phe Glu	35	40	45	
Gln Thr Asp Arg Ser Gly Lys Ile Lys Pro Lys Met Leu Gln Gly Phe	50	55	60	
Ser Leu Xaa Ser Ser Ile Lys Gly Gly Phe Leu Asn Ser Phe Cys Met	65	70	75	80
Tyr Glu Phe Pro Lys Phe Phe Ala Met Ser Leu Phe Tyr Phe	85	90		

6433

<210> 7229

<211> 47

<212> PRT

<213> Homo sapiens

<400> 7229

Ala Ala Arg Glu Leu Met Lys Ser Pro Ser Asn Phe Gln Ser His Thr
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Cys Ile Tyr Cys Gln Asn Leu Ser Met Thr Asn Thr Lys Leu Lys Ser
20 25 30

Cys Phe Gln Arg Lys Lys Ile Ile Ser Leu Asn Tyr Phe Val Gly
35 40 45

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Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
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Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Xaa Xaa

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Leu	Ala	Leu	Trp	His	Pro	Val	Leu	Xaa	Val	Glu	Leu	Pro	Gly	Thr	Xaa
1				5					10					15	

Ser	Val	Ser	Pro	Glu	Ala	Thr	Ser	Leu	Glu	Ala	Ala	Xaa	Arg	Xaa	Xaa
			20					25					30		

Xaa	Ser	Xaa	Thr	Thr	Ile	Phe	Ile	Val	Ser	Cys	Val	Ile	Ala	Tyr	Phe
		35					40					45			

Thr	Asn	Phe	Ala	Xaa	Ala	Leu	Asn	Leu	Leu	Asn	Leu	Leu	Trp	Pro	Pro
	50						55				60				

Pro	Pro	Xaa	Lys	Val	Lys	Xaa	Val	Asn	Ser	Asn	Ser	Xaa	Pro	Ala	Pro
65					70					75					80

Gly	Ser	Ala	Pro	Val	Ile	Pro	Thr	Gly	Trp	Thr	Lys	Gly
				85					90			

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 Ser Phe Met Arg Ser Glu Glu Glu Gly Glu Lys Glu Arg Thr Glu Asn
 20 25 30
 Arg Glu Xaa Gly Arg Phe Ala Ser Gly Arg Arg Ser Gln Tyr Arg Arg
 35 40 45
 Ser Thr Asp Arg Glu Glu Glu Glu Xaa Met Asp Asp Glu Ala Ile Ile
 50 55 60
 Ala Ala Trp Arg Arg Arg Arg Glu Xaa Thr Arg Thr Xaa Leu Xaa Lys
 65 70 75 80
 Xaa Xaa Glu Asp

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 <213> Homo sapiens

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<400> 7233

Xaa	Lys	Leu	Val	Val	Val	Ser	Leu	Glu	Asn	Val	Xaa	Lys	Met	Xaa	Leu
1				5					10					15	

Cys	Val	Leu	Met	Pro	Trp	Pro	Asp	Ser	Leu	Leu	Xaa	Phe	Ile	Glu	Ile
			20					25					30		

<210> 7234

<211> 89

<212> PRT

<213> Homo sapiens

<400> 7234

Leu	Ala	Glu	Asn	Arg	Trp	Pro	Arg	Gly	Arg	Gln	Arg	Asn	Glu	Gly	Phe
1				5					10					15	

Leu	Ser	Ser	Cys	Thr	Glu	Gln	Ser	Ser	Pro	Gly	Thr	Asn	Leu	Glu	Tyr
			20					25					30		

Ser	Val	Gln	Thr	Thr	Glu	Glu	Asp	Lys	Ile	Asn	Phe	Tyr	Ala	Phe	Lys
		35					40					45			

Lys	Asn	Tyr	Gly	Gln	Asn	Asn	Ile	Arg	Thr	Lys	Thr	Phe	Met	Ile	Phe
	50					55					60				

Gln	Leu	Leu	Gly	Phe	Val	Tyr	Gly	Tyr	Gln	Gln	Pro	Cys	Pro	Ala	Ile
65					70					75					80

Val	Phe	Ile	Leu	Phe	Gln	Ala	Gly	Cys
					85			

<210> 7235

<211> 64

<212> PRT

<213> Homo sapiens

6438

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6439

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<400> 7235

Phe	Xaa	Val	Xaa	Phe	Glu	Ser	Xaa	Ile	Thr	Trp	Leu	Lys	Xaa	Ile	Pro
1				5					10					15	

Thr	Xaa	Pro	Glu	Arg	Asn	Asn	Pro	Xaa	Gly	Thr	Leu	Thr	Pro	Pro	Leu
			20					25					30		

Trp	Lys	Arg	Gly	Xaa	Lys	Ile	Pro	Pro	Leu	Ser	Leu	Ala	Xaa	Asn	Phe
		35					40					45			

Phe	Pro	Leu	Xaa	Phe	Leu	Xaa	Phe	Xaa	His	Pro	Phe	Lys	Lys	Thr	Phe
	50					55					60				

<210> 7236

<211> 49

<212> PRT

<213> Homo sapiens

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<220>

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<222> (46)

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<400> 7236

Thr	Ile	Gly	Ser	Pro	Gly	Leu	Tyr	Xaa	Ile	Arg	Xaa	Xaa	Leu	Val	Pro
1				5				10					15		

Asn	Ser	Val	Arg	Xaa	Ile	Thr	Ser	Leu	Glu	Phe	Leu	Phe	Phe	Phe	Pro
			20					25				30			

Asn	Ile	Val	Ser	Leu	Xaa	Asn	Xaa	Leu	Phe	Asn	Xaa	Leu	Xaa	Ala	Asn
		35					40					45			

Leu

<210> 7237

<211> 30

<212> PRT

<213> Homo sapiens

<400> 7237

Gly	Thr	Pro	Arg	Asn	Glu	Gln	Ala	Gly	Leu	Pro	Leu	Tyr	Arg	Cys	Trp
1				5				10				15			

Leu	Leu	Lys	Val	Phe	Asn	Cys	Lys	Leu	Gly	Gly	Phe	Gly	Asp
			20					25				30	

<210> 7238

<211> 60

<212> PRT

<213> Homo sapiens

6441

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<400> 7238
 Val Leu Cys Pro Phe His Val Xaa Ile Cys Xaa Leu Thr Ile Leu Leu
 1 5 10 15
 Xaa Pro Leu Ile Pro Ala Gln His Val Phe Trp Ser Met Lys Ile Val
 20 25 30
 Leu Lys Thr Lys Ala Asn Ala Cys Ser Leu Pro Leu Ser Xaa Xaa Lys
 35 40 45
 Ser Tyr Pro Lys Xaa Asp Phe Glu Phe Arg Ser Trp
 50 55 60

<210> 7239
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>

6442

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<400> 7239

Ala	Ala	Arg	Ala	Arg	Ala	Glu	Phe	Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro
1				5					10					15	

Asn	Ser	Pro	Tyr	Ser	Glu	Ser	Tyr	Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu
			20					25					30		

Gln	Arg	Arg	Asp	Trp	Thr	Xaa	Lys
			35				40

<210> 7240

<211> 124

<212> PRT

<213> Homo sapiens

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6443

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 Pro Lys Ala Gln Phe Phe Glu Ser Leu Trp Pro Glu Leu Asp Ser Gln
 1 5 10 15
 Asp Ser Gly Ser Val Gln Arg Ala Arg Gly Thr Ala Ser Ser Ala Ala
 20 25 30
 Ala Pro Leu Met Pro Ser Pro Ala Leu Leu Pro Leu Pro Gly Leu Asn
 35 40 45
 Gly Val Ser Ile Glu Gly Trp Thr Pro Xaa Xaa Gly Glu Leu Val Pro
 50 55 60
 Cys Gly Tyr Lys Leu Gly Ala Ser Leu Arg Ala Val Pro Gly Xaa Met
 65 70 75 80
 Gly Ala Pro Leu Pro Pro Ala Thr Pro Pro Thr Xaa Lys Arg Xaa Asn
 85 90 95
 Xaa Thr Ser Xaa Ala Asn Pro Ser Pro Pro Gly Phe Ser Arg Gly Ala
 100 105 110
 Pro Gly Gln Lys Glu Leu Xaa Asn Cys Phe Gly Phe
 115 120

<210> 7241
 <211> 130
 <212> PRT
 <213> Homo sapiens

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<400> 7241
 Val Leu Pro Ser Pro Phe Glu Ser Pro Gly Pro Lys Arg Asn Lys Ser
 1 5 10 15

Trp Ser Ser Xaa Ala Val Ala Val Ala Leu Glu Leu Leu Asp Pro Pro
 20 25 30

6446

Gly Cys Met Asn Ser Ala Xaa Ala Ala Ser Ser Pro Gly Xaa Gln Ser
 35 40 45
 Pro Xaa Ala Pro Ser Gly Tyr Ser Xaa Xaa Xaa Trp Xaa Ser Gly Xaa
 50 55 60
 Xaa Asp Ala Ala Arg Pro Pro Pro Thr Val Xaa Lys Ser Val Val Val
 65 70 75 80
 Xaa Gly Gly Ile Xaa Gly Val Thr Cys Ala Xaa Gln Ser Ala Thr Leu
 85 90 95
 Phe Pro Ser Glu Asp Ile Leu Leu Val Xaa Xaa Ser Pro Val Xaa Asn
 100 105 110
 Glu Phe Gln Ile Ser Ser Xaa Phe Leu Tyr Xaa Xaa Asn Asn Ser Met
 115 120 125
 Phe Xaa
 130

<210> 7242

<211> 56

<212> PRT

<213> Homo sapiens

<220>

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<222> (37)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7242

Ile Ser Pro Phe Ser Glu Cys Leu Leu Lys Phe Met Pro Phe Phe Glu

6447

1	5	10	15
Tyr Gly Ser Trp Thr Pro Thr Leu Leu Leu Pro Thr Pro Pro Arg Asn			
	20	25	30
Phe Leu Ile Cys Xaa Val Phe Phe Xaa Val Phe Xaa Asn Ser Xaa Val			
	35	40	45
Ile Ile Leu His Asn Phe Gly Tyr			
	50	55	

<210> 7243

<211> 20

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7243

Val Glu Phe Phe Phe Phe Phe Leu Lys Asn Xaa Leu Xaa Lys Ile Xaa
1 5 10 15

Pro Asn Thr Phe
20

<210> 7244

<211> 61

<212> PRT

<213> Homo sapiens

<220>

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6448

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7244
 Asp Phe Xaa Ala Arg Ile Pro Leu Arg Asn Xaa Ala Ser Leu Xaa Gly
 1 5 10 15
 Lys Lys Xaa Glu Leu His Arg Gly Gly Gly Arg Ser Thr Thr Ser Gly
 20 25 30
 Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Asn Leu Val Met Ala
 35 40 45
 Val Val Xaa Glu His Pro Ala Phe Ala Xaa Xaa Pro Pro
 50 55 60

<210> 7245
 <211> 58
 <212> PRT
 <213> Homo sapiens

6449

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<400> 7245
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg
1 5 10 15
Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Leu Glu Gln
20 25 30
Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Lys Ile Tyr
35 40 45
Arg Leu Lys Arg Gln Thr Tyr Arg Ala Trp
50 55

<210> 7246
<211> 55
<212> PRT
<213> Homo sapiens

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<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7246
Phe Tyr Arg Xaa Ile Ser Asp Ser Met Ile Phe Ser Xaa Val Ile Val
1 5 10 15
Arg Xaa Met Cys Asn Val Xaa Ile Glu Thr Glu Xaa Tyr Lys Gly Gln
20 25 30
Val Thr Cys Gln Cys Asp Met Xaa Arg His Ile Tyr Xaa Xaa Thr Trp
35 40 45
Met Phe Leu Asn Leu Tyr Tyr
50 55

<210> 7247
<211> 31
<212> PRT
<213> Homo sapiens

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6451

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7247

Phe	Phe	Phe	Phe	Leu	Xaa	Xaa	Phe	Pro	Leu	Lys	Lys	Phe	Phe	Pro	Phe
1				5					10					15	

Pro	Pro	Xaa	Pro	Pro	Xaa	Phe	Pro	Phe	Leu	Asn	Ile	Ser	Lys	Pro
			20					25					30	

<210> 7248

<211> 37

<212> PRT

<213> Homo sapiens

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<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7248

Thr	Val	Ile	Leu	Lys	Lys	Met	Ser	Ile	Gly	Ile	Tyr	Phe	Arg	Glu	Asn
1				5					10					15	

Ile	Ser	Ile	Val	Xaa	Xaa	Leu	Pro	Pro	Pro	Xaa	Gly	Xaa	Glu	Gly	His
			20					25					30		

Xaa	Leu	Trp	Val	Leu
				35

6452

<210> 7249

<211> 62

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<400> 7249

Pro Leu Asn Thr Pro Gln Ser Gln Xaa Xaa Leu Leu Xaa Gln Cys Ile

1

5

.

10

15

6453

Lys Phe Ile Tyr Phe Xaa Xaa Pro His Thr Ile Leu Gly Pro Leu Lys
 20 25 30

Pro Met Val Lys Leu Ala Ala Leu Glu Leu Thr Xaa Asp Gln Ile Leu
 35 40 45

Thr Leu Leu Leu Ser Asn Ile Xaa Asn Trp Xaa Ile Ser Phe
 50 55 60

<210> 7250

<211> 53

<212> PRT

<213> Homo sapiens

<400> 7250

Asn Ser Asn Leu Thr Gly His Lys Tyr Thr Phe Gly Tyr Val Tyr Leu
 1 5 10 15

Leu Leu Thr Lys Val Lys Arg Asn Val Leu Met His Ser Leu Asn Leu
 20 25 30

Lys Tyr Thr Tyr Ile Lys Phe Leu Lys Asp Ala Asn Leu Asn Pro Ile
 35 40 45

Leu Asn Glu Lys Val
 50

<210> 7251

<211> 45

<212> PRT

<213> Homo sapiens

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<400> 7251
Xaa Glu Lys Asn Pro Ser Leu Lys Lys Pro Pro Pro Lys Lys Lys Lys
1 5 10 15
Asn Cys Ser Leu Ser Pro Leu Leu Xaa Gln Lys Phe Xaa Gly Xaa Xaa
20 25 30
Phe His Leu Cys Pro Pro Asn Phe Ser Xaa Phe Leu Val
35 40 45

<210> 7252
<211> 79
<212> PRT
<213> Homo sapiens

<220>
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6457

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<220>
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<400> 7252
 Phe Xaa Val Xaa Asn Xaa Phe Tyr Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa
 1 5 10 15
 Xaa Xaa Leu Xaa Xaa Pro Met Xaa Lys Pro Pro His Cys Thr Glu Leu
 20 25 30
 Xaa Pro Xaa Gly Thr Xaa Ile Ile Ile Xaa Arg Val Xaa Xaa Phe Tyr
 35 40 45
 Gln Xaa Asn Leu Gln Ile Asn Ser Leu Gly Leu Xaa Pro Xaa Pro Xaa
 50 55 60
 Pro Xaa Xaa Ile Lys Xaa Lys Lys Lys Ser Xaa Leu Leu Glu Thr
 65 70 75

<210> 7253
 <211> 72
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6459

<400> 7253

Leu Asp Gln Lys Lys Ser Xaa Leu Phe Asp Leu Xaa Arg Xaa Asn Leu
1 5 10 15

Pro Xaa Leu Tyr Thr His Val Cys Val Ser Leu Lys Arg Xaa Val Arg
20 25 30

Leu Xaa Lys Ile Leu Ile Val Ile Asn His Val Xaa Thr Ser Cys Asn
35 40 45

Glu Leu His Asp Leu Ile Leu Ser Leu Leu Ala Xaa Thr Thr Xaa Tyr
50 55 60

Phe Ser Asn Xaa Xaa Ile Ser Pro
65 70

<210> 7254

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<400> 7254

Glu	Pro	His	Glu	Xaa	Xaa	Pro	Pro	Lys	Lys	Leu	Xaa	Asn	Asn	Ser	Phe
1				5					10					15	

Phe	Xaa	Lys	Lys	Gly	Glu	Ser	Trp	Leu	Val	Ala	Gln	Asn	Tyr	Phe	Lys
			20					25					30		

Asn	Ser	Ala	Pro	Xaa	Gly	Lys	Thr	Leu	Leu	Trp	Tyr	Phe	Ser	Xaa	Lys
		35					40					45			

Thr	Xaa	Tyr	His	His	Xaa	Leu	Xaa	Trp	Phe	Ser	Gln	Phe	His	Ser	Gln
	50					55					60				

Gly	Glu	Pro	Xaa	Pro	Ser	Cys
65					70	

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<212> PRT

<213> Homo sapiens

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Leu Thr Tyr Leu Leu Trp Phe Pro Ile Asn Asn Cys Ser Leu Leu Ile
1 5 10 15

Ile Val His Val Phe Tyr Val Ala Ser Asn Lys Leu Arg Gln Ser Tyr
20 25 30

Thr Ser Ala Phe Gln Xaa Gly Ser Leu Phe Leu His Thr
35 40 45

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 1 5 10 15

Xaa Leu Xaa Pro Ser Lys Asp Xaa Thr Leu Asn Leu Xaa Lys Lys Lys
 20 25 30

Phe Gly Xaa Xaa Leu Ile Thr Ile Ile Ile Xaa His Phe Thr Phe Xaa
 35 40 45

Pro Gly Ser Leu Leu Xaa Phe Xaa Leu His Tyr Leu Pro Xaa Xaa Leu

6464

50 55 60
 Tyr His Pro Leu Lys Lys Phe Leu Xaa Xaa Tyr Ile Phe Ile Leu Pro
 65 70 75 80
 Phe Tyr Thr Lys Arg Xaa Asn Ser Gly Xaa Leu Val Gly Xaa Asn Pro
 85 90 95
 Leu Phe Ile Pro Pro Xaa Pro Phe Trp Glu Xaa Phe Lys Gly Xaa Lys
 100 105 110
 Gly Phe Phe Leu
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<210> 7257

<211> 50

<212> PRT

<213> Homo sapiens

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<400> 7257

Ile Met Gly Leu Ser Leu Pro Tyr Ile Phe Leu Leu Lys Ser Ile Leu
 1 5 10 15

Xaa Gln Cys Arg Leu Ile Ile Tyr Asn Leu Ile Tyr Met Asn Ser Leu
 20 25 30

Xaa His Pro Ser Phe Ile Leu Thr Ile Ile Val Tyr Met Xaa Xaa Ile
 35 40 45

6465

Pro Asn
50

<210> 7258

<211> 25

<212> PRT

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<400> 7258

Gly	Lys	Lys	Glu	Val	Ala	Pro	Xaa	Ser	Glu	Xaa	Phe	Ser	Ile	Thr	Gly
1				5				10						15	

Ala	Ile	Arg	Gly	Ala	Gly	Xaa	Thr	Ser
			20				25	

<210> 7259

<211> 78

<212> PRT

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<400> 7259

Trp	Ser	Met	Xaa	Tyr	Leu	Gln	Trp	Asn	Ile	Gly	Leu	Gly	Ile	Phe	Pro
1				5				10					15		

Glu	His	Tyr	Gln	Val	Ser	Gly	Trp	Trp	Glu	Gly	Trp	Xaa	Lys	Pro	Ile
			20					25					30		

Pro	Leu	Xaa	Leu	Xaa	Lys	Xaa	Leu	Val	Xaa	Ala	Gly	Leu	Trp	Leu	Xaa
		35					40					45			

Leu	Glu	Ser	Gly	Leu	Asn	Pro	Pro	Tyr	Xaa	Gly	Gly	Xaa	Trp	Xaa	Gly
						55					60				

6467

Lys Asn Gln Glu Asn Phe Val Pro Phe Pro Pro Trp Gly Ser
 65 70 75

<210> 7260

<211> 33

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<400> 7260

Gln Asn Pro Ser Cys Xaa Ser Xaa His Leu Leu Xaa His Phe Asp His
 1 5 10 15

Leu Ala Ser Xaa Ala Arg His Thr Arg Xaa Arg Leu Arg Leu Ser Gln
 20 25 30

Lys

<210> 7261

<211> 76

<212> PRT

<213> Homo sapiens

6468

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<400> 7261
 Xaa Arg His Ala Leu Val Gly Ala Ile Cys Asp Pro Lys Asn Ser Thr
 1 5 10 15
 Phe Thr Ser Val Trp Leu Ile Leu Asn His Ser Ser Leu Cys Thr Tyr
 20 25 30
 Ile His Thr His Thr His Ser Gly Leu Thr Gln Lys Lys Lys Xaa Ile
 35 40 45
 Gln Thr Leu Gln Asn Tyr Pro Ser Phe Leu Tyr Xaa Leu Cys Arg Phe
 50 55 60
 Met Xaa Thr Thr Cys Asn Cys His Asn Pro Xaa Gly
 65 70 75

<210> 7262
 <211> 33
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 <400> 7262
 Xaa Ser Asn Pro Pro Pro Pro Leu Gly Lys Xaa Ala Gly Ala Arg Arg
 1 5 10 15
 Gly Trp Thr Xaa Leu Xaa Leu Thr Gly Xaa Ser Xaa Gly Leu Ala Arg
 20 25 30

 Leu

 <210> 7263
 <211> 72
 <212> PRT
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<400> 7263

Tyr	Xaa	Asn	Met	Gly	Thr	Arg	Thr	Xaa	Gly	Lys	Gln	Ile	Xaa	Thr	Glu
1				5				10					15		

Xaa	Ser	Xaa	Pro	Xaa	Ser	Xaa	Phe	Leu	Ser	Xaa	Ser	Leu	Ile	Xaa	Xaa
			20					25					30		

Phe	Ile	Ile	Xaa	Xaa	Ile	Pro	Xaa	Val	Leu	Ser	Met	Leu	Ile	Xaa	Xaa
			35				40					45			

Ser	Trp	Ser	Leu	Thr	Pro	Pro	Xaa	Ile	Lys	Ser	Phe	Gly	Ile	Ile	Tyr
	50					55					60				

Asn	Leu	Leu	Pro	Xaa	Phe	Tyr	Ser
65						70	

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<211> 52

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 Leu Glu Ala Asp Gly Ala Val Xaa Asn Ser Cys Arg Ala Leu Lys Gly
 1 5 10 15
 Glu Xaa Ala Asp Leu Gln Xaa Glu Gly Lys Xaa Leu Xaa Leu Xaa Gly
 20 25 30
 Pro Cys Xaa Phe Leu Pro Pro Phe Pro Gln Pro Tyr Ser Cys Pro Pro
 35 40 45
 Leu Lys Phe His
 50

<210> 7265

6473

<211> 64
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 <400> 7265
 Pro Gly Leu Lys Ile Thr Ile Asn Lys Xaa Thr Ala Xaa Lys Leu Arg
 1 5 10 15
 Leu Cys Xaa Ile Thr Ser Xaa Xaa Xaa Leu Pro Leu Asp His Thr Xaa
 20 25 30
 Xaa Xaa Trp Ile Ala Lys Xaa Asp Cys Pro Leu Tyr Asn Gly Gly Xaa
 35 40 45
 Ile Xaa Leu Xaa Xaa Leu Asn Asp Gln Glu Gln Phe Cys Gln Asn Val
 50 55 60

<210> 7266
 <211> 38
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<400> 7266
 Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1 5 10 15
 Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Ala Val Leu Gly Lys
 20 25 30
 Thr Gln Xaa Pro Xaa Xaa
 35

<210> 7267
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 <212> PRT
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<400> 7267
 Pro Ser Thr Lys Pro Ser Cys Phe Gly Ala Asn Trp His Leu Xaa Pro
 1 5 10 15
 Phe Gly Gly Ser Asp Lys Gln Ile Lys Leu Gln Leu Ala Val Gln Asp
 20 25 30
 Ser Ala Arg Cys Leu His Leu Leu Val Glu Ser Lys Pro Cys Ala
 35 40 45
 Pro Phe Gln Ser Lys Ile Lys Gly Thr Gly Ile Phe Leu Glu Lys Lys
 50 55 60
 Xaa Ile

6476

65

<210> 7268

<211> 66

<212> PRT

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<400> 7268

Phe Leu Asn Leu Thr Leu Arg Xaa Lys Met Glu Leu Xaa Ala Val Xaa

6477

1	5	10	15												
Asp	Ala	Leu	Gln	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Xaa	Xaa	Gly	Thr
		20						25					30		
Arg	Leu	Phe	Cys	Ala	Pro	Val	Leu	His	His	Xaa	Ser	Met	Ser	Gln	Val
		35					40					45			
Ile	Met	Phe	Phe	Cys	Thr	Arg	Xaa	Leu	Gly	Met	Gln	Arg	Xaa	Leu	Glu
	50					55					60				
Leu	Thr														
65															

<210> 7269

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7269

Gly	Thr	Arg	Gly	Gly	Pro	Val	Pro	Asn	Ser	Pro	Tyr	Ser	Glu	Ser	Tyr
1					5				10				15		
Tyr	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Leu	Asp	Trp	Glu	Asn	Ser
			20					25					30		
Cys	Leu	Xaa	Asp	Pro	Xaa	Asn	His	His	Met	Xaa	Ile	Pro	Ile	Xaa	Thr
		35					40					45			

6478

<210> 7270

<211> 20

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

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<220>

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<222> (3)

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<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7270

Tyr	Xaa	Xaa	Xaa	Thr	Leu	Cys	Gly	Leu	Cys	Leu	Gln	Ser	Ser	Arg	Lys
1				5				10						15	

Xaa	Lys	Val	Arg
		20	

<210> 7271

<211> 101

<212> PRT

<213> Homo sapiens

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6479

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<400> 7271
Leu Val Val Lys Tyr Ser Asp Ile Arg His Ser Pro Arg His Val Leu
1 5 10 15
His Thr Cys Thr His Thr Met Ser His Arg Gly His Thr Val Phe Arg
20 25 30
Ile Val Thr Ile Xaa Arg Xaa Ser Leu Leu Trp Tyr Met Leu Lys Tyr
35 40 45
Leu Leu Phe Trp Ala Lys Ala Pro Arg Gln Xaa Leu Leu Ile Met Val
50 55 60

6480

[illegible]

<210> 7272

<211> 26

<212> PRT

<213> Homo sapiens

<400> 7272

Asn Lys Leu Ile Val Asn Ile Leu Pro Lys Arg Ile Ser Ile Arg Tyr
1 5 10 15

Ile Asn Leu Leu Met Asp Ser Gln Thr Met
20 25

<210> 7273

<211> 37

<212> PRT

<213> Homo sapiens

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7273

Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
1 5 10 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
20 25 30

6481

Gly Xaa Pro Xaa Xaa
35

<210> 7274

<211> 61

<212> PRT

<213> Homo sapiens

<220>

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<222> (37)

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7274

Leu Thr Cys Ser Glu Thr Gly Ala Ala Ser Leu Leu Arg Ala Gly Pro
1 5 10 15

Gly Ser Ser Ser Phe Arg Thr Glu Arg Leu Phe Gln Phe Gly Ser Leu
20 25 30

Glu Lys Glu Lys Xaa His Phe Xaa Lys Phe Pro Asn Glu Thr Lys Lys
35 40 45

Pro Pro Pro Phe Ser Xaa Pro Cys Ser Thr Ala His Xaa
50 55 60

<210> 7275

<211> 38

<212> PRT

<213> Homo sapiens

6482

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 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7275
 Ala His Gly Ile Lys Gln Thr Ser Xaa Tyr Ile Pro Xaa Tyr Pro Arg
 1 5 10 15
 Ile Phe Leu Lys Leu Met Cys Leu Ser His Ala Phe Asn His Phe Xaa
 20 25 30
 His Leu Lys Thr Xaa Xaa
 35

<210> 7276
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

6483

<400> 7276

Ala Ala Arg Ala Ala Arg Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg
1 5 10 15
Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser
20 25 30
Phe Tyr Asn Val Val Thr Gly Xaa Pro Lys Xaa
35 40

<210> 7277

<211> 60

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

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<222> (31)

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<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7277

Xaa Phe Leu Ile Leu Leu Leu Leu Ala Pro Ser Val Xaa Ile Asn Tyr
1 5 10 15

6484

Ile Phe Leu His Gln Ile Phe Tyr Thr Ile Arg Phe Phe Asp Xaa Lys
 20 25 30

Ile Ile Phe Ser Phe Thr Leu Leu Ile Ser Glu Gly His Lys Ile Lys
 35 40 45

Tyr Phe Leu Val His Asp Xaa Xaa Ser Leu Leu Xaa
 50 55 60

<210> 7278

<211> 67

<212> PRT

<213> Homo sapiens

<220>

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<222> (31)

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7278

Leu Asn Asn Ile Lys Ser His Val Lys Gly Pro Phe Ala Ser Val Pro
 1 5 10 15

Phe Thr Gln Tyr Ile Thr Phe Ser Phe Gln Gln Lys Lys Leu Xaa Gly
 20 25 30

Ile Leu Lys Gly Gln Lys Asn Ser Leu Lys Xaa Asp Ser Lys Gln Xaa
 35 40 45

6485

Asp Lys Thr Xaa Ile Trp Arg Lys Met Leu Lys Ser Ser Asp Trp Lys
50 55 60

Phe Xaa Thr
65

<210> 7279

<211> 33

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (6)

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<221> SITE

<222> (9)

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<221> SITE

<222> (12)

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<222> (20)

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<222> (26)

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<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7279

Thr Cys Xaa Ser Lys Xaa Gly Pro Xaa Lys Asn Xaa Arg Leu Asn Leu

6486

1	5	10	15
Tyr Arg Gly Xaa Gly Arg Phe Lys Ile Xaa Gly Ser Pro Gly Xaa Lys			
	20	25	30

Glu

<210> 7280

<211> 24

<212> PRT

<213> Homo sapiens

<220>

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<222> (18)

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<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7280

Lys Gly Lys Leu Asn Ile Ala Lys Lys Lys Lys Gly Phe Lys Xaa Gly
1 5 10 15

Ala Xaa Gly Xaa Pro Phe Xaa Ser
20

<210> 7281

<211> 40

<212> PRT

<213> Homo sapiens

<400> 7281

His Val Ser Ser Phe Arg Lys Gln Leu Tyr Cys His Thr Ile Val Gly

6487

1 5 10 15
Arg Lys Thr Phe Ile Trp Asn Ile His Tyr Cys Lys Phe Val Gln Ile
 20 25 30
Ile Tyr Leu Pro Pro Val Phe Ala
 35 40

<210> 7282

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7282

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
 20 25 30

Gln Xaa Xaa Xaa
 35

<210> 7283

<211> 37

<212> PRT

<213> Homo sapiens

<400> 7283

Thr Val Pro Pro Cys Leu Pro Ala Phe Ala Glu Leu Glu Leu Ser Leu
1 5 10 15

6488

Ser Ala Cys Ser Thr Tyr Thr Leu Pro Val His Trp Leu Ser Asn Arg
20 25 30

Phe Lys Glu Arg Ser
35

<210> 7284

<211> 19

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (14)

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<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7284

Ala Ser Phe Phe Phe Phe Phe Phe Leu Asn Leu Xaa Asp Xaa Phe Phe
1 5 10 15

Xaa Xaa Phe

<210> 7285

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<222> (17)

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6489

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7285

Trp	Ile	Ser	Ser	Leu	Val	Leu	Asn	Glu	Gly	Gln	Val	Trp	Leu	Ala	Val
1				5					10					15	

Xaa	Arg	His	Ser	Phe	His	Gly	Gly	Arg	Leu	Ala	Ala	Asn	Arg	Gln	Ala
			20					25					30		

Gly	Pro	Lys	His	Ser	Gly	Leu	Leu	Lys	Ala	Gly	Gly	Val	His	Xaa	Asp
		35					40					45			

Ser	Cys	Trp	Arg	Ala	Val	Glu	Leu	Phe	Pro	Gly	Ile	Arg	Phe	Gly	Phe
	50					55					60				

Ser	Gly	Thr	Ile	Pro	Xaa
65					70

<210> 7286

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

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<220>

<221> SITE

6490

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (74)

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<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7286

Val	Ser	Ile	Lys	Asn	Gly	Phe	Leu	Leu	Ser	Ala	Pro	Met	Xaa	Gly	Ser
1				5					10					15	

Val	Cys	Gly	Val	Thr	Ser	Gln	Cys	Arg	Ser	Phe	Ser	Trp	Ser	Pro	Asp
			20					25					30		

Cys	Ser	Leu	Ile	Pro	Asp	Gln	Gly	Leu	Val	Xaa	Phe	Lys	Asn	Ser	Ser
		35					40					45			

Met	Ala	Xaa	Asn	Ala	Trp	Leu	Val	Gln	Xaa	Glu	Cys	Phe	Phe	His	Lys
	50					55					60				

Xaa	Ser	Ser	Ser	Pro	Val	Phe	Thr	His	Xaa	Xaa	Ile	Pro	His	Ser	Phe
65					70					75					80

Pro	Thr	Lys	Ser	Thr	Pro	Xaa	Gly	Cys	Cys	Leu	Pro	Tyr	Phe	Pro	Asn
				85					90					95	

Phe Pro

<210> 7287

<211> 57

<212> PRT

<213> Homo sapiens

6491

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7287
 Leu Tyr Leu Leu Lys His Val His Leu His Ile Phe Thr Gly Leu Leu
 1 5 10 15
 Thr Val His Phe Xaa Ser Ser Arg Lys Trp His Gln Xaa Gly Ser Thr
 20 25 30
 Lys Asn Met Ile Thr Lys Asn Ile Ile Ile Ile Pro Phe Xaa Lys Thr
 35 40 45
 Xaa Xaa Pro Arg Leu Pro Asn Phe Xaa
 50 55

<210> 7288
 <211> 41
 <212> PRT
 <213> Homo sapiens

6492

<220>
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 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7288
 Leu Val Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
 1 5 10 15
 Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
 20 25 30
 Pro Ser Xaa Xaa Phe Phe Ser Xaa Ala
 35 40

<210> 7289
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

6493

<400> 7289

Cys Glu Ala Ser Trp Xaa Leu Cys Xaa Gly Lys Trp Tyr Gln Xaa Thr
1 5 10 15

Ala Trp Pro Pro Xaa
20

<210> 7290

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7290

Glu Asn Thr Glu Cys Val His Gln Ile Leu Ser Ala Ala Val Xaa Phe
1 5 10 15

Cys Leu Leu Phe Xaa Leu Ser Ser Asp Val Thr Phe Ile Lys Asp Asn
20 25 30

Pro Leu Arg Thr Leu Phe Tyr Phe Leu Thr Asn Gln Asn Val Val Phe
35 40 45

Lys

<210> 7291

<211> 34

<212> PRT

<213> Homo sapiens

<220>

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<220>

6494

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
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<400> 7291
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Pro
20 25 30
Xaa Xaa

<210> 7292
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7292
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Xaa Arg
1 5 10 15
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Phe Val Thr Gly Thr Pro
20 25 30
Lys Xaa

6495

<210> 7293

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

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<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7293

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Xaa	Xaa	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Pro
			20					25					30		

Xaa Xaa

<210> 7294

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6496

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7294

Val	Ile	Xaa	Ser	Leu	Lys	Ser	Thr	Phe	Lys	Ala	Phe	Gln	Ile	Lys	Lys
1				5				10					15		

Ser	Asn	Leu	Thr	Asn	Cys	Ser	Leu	Leu	Ile	Ser	Xaa	Asn	Glu	Ile	Met
			20					25					30		

Asn	Val	Leu	Ala
			35

<210> 7295

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7295

Ala	Ser	Leu	Glu	Phe	Phe	Phe	Phe	Phe	Lys	Xaa	Xaa	Xaa	Xaa	Asn
1				5				10					15	

Xaa Asn

6497

<210> 7296

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

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<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7296

Arg	Lys	Trp	Ala	Ala	Trp	Ile	Ser	His	His	Pro	Met	Ser	Ala	Ala	Ala
1				5					10					15	

Gln	Val	Ser	Leu	Thr	Val	Ser	Trp	Val	Cys	Gly	Gly	Asp	Trp	Gly	Val
			20					25					30		

Arg	Lys	Gly	Trp	Xaa	Gly	Xaa	Leu	Lys	Arg	Lys	Gln	Leu	Gln	Pro	Glu
		35					40					45			

Ala	Gln	Thr	Gly	Cys	Arg	Val	Thr	Pro	Ser	Ser	His	Leu	Glu	Ser	Trp
	50					55					60				

Thr	Pro	Pro	Thr	Leu	Ile	His	Pro	Val	Pro	Gln	Pro
65					70					75	

<210> 7297

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

6498

<400> 7297

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa
35

<210> 7298

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<400> 7298
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 1 5 10 15
 Trp Gly Xaa Xaa Thr Pro Pro Cys Phe Pro Phe Xaa Pro Gln Ile Xaa
 20 25 30
 Xaa Leu His Phe Leu Leu Gly Ser Gln Phe Xaa Lys Ile Pro His Xaa
 35 40 45
 Lys Phe Xaa His Trp Ala Pro Xaa Xaa Xaa Lys Thr Pro Ile Ser His
 50 55 60
 Ser Leu Glu Gly Leu Glu Lys Thr Xaa Gly Lys Phe Leu Glu Xaa Asn
 65 70 75 80

6500

Pro Phe Phe Xaa

<210> 7299

<211> 68

<212> PRT

<213> Homo sapiens

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<400> 7299

Ile	Cys	Ala	Arg	Phe	Val	Lys	Ile	Thr	Leu	Phe	Leu	Lys	Leu	Phe	Xaa
1				5				10					15		

Gln	Val	Ser	Leu	Pro	His	Ala	Tyr	Xaa	Pro	Lys	Xaa	Leu	Gly	Ile	Lys
			20					25					30		

Gly	Leu	Thr	Thr	Ala	Pro	Gly	Gln	Ile	Pro	Val	Pro	Phe	Pro	Lys	Lys
			35					40				45			

6501

Thr Pro Asn Leu Thr Leu Glu Leu Ile Gln Phe Xaa Pro Xaa Phe Ile
50 55 60

Leu Lys Leu Xaa
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<210> 7300

<211> 46

<212> PRT

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Trp Ile Ile Glu Phe Tyr Leu Xaa Lys Glu Lys Leu His Glu Lys His
1 5 10 15

Ile Ser Lys Phe Lys Asn Lys Glu Ser Lys Ser Thr Ser Thr Ser Thr
20 25 30

Cys Leu Ile Ile Pro Thr Phe His Leu Ile Ser Ile Tyr Ile
35 40 45

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 Val Ser Phe Ile Pro Xaa Xaa Val Cys Leu Lys Ile Phe Pro Gln Pro
 20 25 30
 Glu Ser Phe Pro Asn His Leu Xaa Lys Lys Xaa Tyr Ala Ser Leu Xaa
 35 40 45
 Thr Leu Leu Arg Thr Gln Leu Leu Leu Lys Ala Ser Ala Thr Ser
 50 55 60
 Xaa Xaa Pro Pro Lys Leu Lys Xaa Ser Ala Phe Ser Gly Gly Pro Gly
 65 70 75 80

Xaa

6503

<210> 7302
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<400> 7302

Gln	Tyr	Val	Thr	Gly	Ala	Pro	Phe	Val	Ser	Ile	His	Lys	Glu	Leu	Leu
1				5					10					15	

Xaa	Leu	Cys	Tyr	Ser	Xaa	Thr	Met	Xaa	Met	Phe	His	Ser	Leu	Thr	Ser
			20					25					30		

Pro	Val	Pro	Xaa	Xaa	Trp	Ile	Pro	Tyr	Xaa	Tyr	Cys	Xaa	Gln	Val	Leu
			35				40					45			

Gln	Ser	Val	Thr	Cys	Val	Ile	Ser	Xaa	Phe	Xaa	Ser	Cys	Cys	Xaa	Phe
	50					55					60				

Ile	Tyr	Xaa	Ile	Asn	Xaa	Pro	Lys	Ile	Asn	Trp	Cys	Val	Xaa	Xaa	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6506

65		70		75		80
Xaa Val Phe Gly Tyr Pro Gln Lys Lys Xaa Gly Gln Xaa Pro Pro Val						
	85			90		95
Lys Xaa Xaa Phe Xaa Phe Gly Thr Pro Xaa Xaa Phe Lys Xaa Phe Xaa						
	100		105		110	
Xaa Xaa Phe						
	115					

<210> 7303

<211> 36

<212> PRT

<213> Homo sapiens

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<400> 7303

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa Xaa
35

<210> 7304

6507

<211> 82
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<400> 7304

Ser	Ser	Phe	Leu	Xaa	Xaa	Xaa	Ile	Tyr	Lys	Trp	Asp	Xaa	Met	Thr	Gly
1				5					10					15	

Tyr	Xaa	Gln	Xaa	Xaa	Asn	Xaa	Xaa	Xaa	Gly	Thr	Xaa	His	Ile	Cys	Asn
		20						25					30		

Pro	Lys	Trp	Ala	Ala	Leu	Lys	Xaa	Ser	Phe	Ala	Val	Lys	Ser	Gln	Cys
		35					40					45			

Pro	His	Xaa	Lys	Xaa	Ser	Ser	Gly	Leu	Gln	Leu	Ile	Tyr	Ser	Cys	Pro
	50					55					60				

6509

Xaa Cys Ser Ser Leu Ala Pro Leu Asn Val Leu His Lys Xaa Gly Xaa
65 70 75 80

Trp Ala

<210> 7305

<211> 102

<212> PRT

<213> Homo sapiens

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Asp	Lys	Ile	Leu	Phe	Ile	Gly	Pro	Xaa	Ile	Tyr	Trp	Leu	Trp	Gly	Leu
1				5					10					15	

Val	Xaa	Xaa	Leu	Arg	Glu	Arg	Pro	Thr	Leu	Lys	His	Xaa	Pro	Met	Cys
			20					25					30		

Trp	Asp	Val	His	Arg	Met	Xaa	Ser	Xaa	Pro	Arg	Xaa	Leu	Ser	Tyr	Leu
		35					40					45			

Gly	Xaa	Xaa	Lys	Pro	Pro	Leu	Trp	Ala	His	Leu	Val	His	Phe	Xaa	Asn
			50			55					60				

Pro	Leu	Xaa	Pro	Xaa	Lys	Gly	Phe	Phe	Pro	Arg	Phe	Pro	Lys	Gly	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6511

65 70 75 80

Pro Xaa Gly Val Xaa Xaa Pro Ser Lys His Lys Gly Pro Ala Leu Ile
 85 90 95

Asn Leu Glu Val Gly Asn
 100

<210> 7306

<211> 34

<212> PRT

<213> Homo sapiens

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<400> 7306

Gly Pro Gly Arg Phe Pro Ile Leu Gly Arg Lys Lys Lys Asn Xaa Trp
1 5 10 15

Xaa Pro Phe Lys Lys Thr Xaa Ser Leu Lys Lys Lys Asn Phe Xaa Xaa
20 25 30

Gly Lys

6512

<210> 7307

<211> 34

<212> PRT

<213> Homo sapiens

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Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Thr
			20					25					30		

Gln Xaa

<210> 7308

<211> 102

<212> PRT

<213> Homo sapiens

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<400> 7308

Xaa	Thr	Xaa	Leu	Thr	Ser	Ser	Pro	Cys	Trp	Pro	Leu	Glu	Gly	Ser	Val
1				5					10					15	

Lys	Arg	Lys	Gly	Lys	Pro	Ser	Leu	Leu	Glu	Leu	Pro	Phe	Gly	Ile	Pro
			20					25					30		

Pro	Arg	Leu	Asn	Phe	Xaa	Thr	Pro	Cys	Phe	Ile	Xaa	Xaa	Ile	Thr	Pro
		35					40					45			

Xaa	Pro	Ile	Xaa	Xaa	Asn	Pro	Asn	Phe	Glu	Pro	Phe	Ile	Cys	His	Gln
	50					55					60				

Lys	Lys	Pro	Phe	Phe	Tyr	Leu	Pro	Thr	Ile	Ser	Gln	Xaa	Pro	Arg	Phe
	65				70					75					80

Glu	Thr	Ser	Xaa	Ile	Pro	Asn	Leu	Gln	Leu	Ser	Leu	His	Arg	Xaa	Ile
				85					90					95	

6514

Phe Pro Asn Leu Leu Cys
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<210> 7309

<211> 23

<212> PRT

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<400> 7309

Gly	Gln	Xaa	Xaa	Arg	Ile	Pro	Gly	Cys	Ala	Ile	Pro	Xaa	Cys	Xaa	Gly
1				5					10					15	

Leu Leu Gly Xaa Ser Tyr Phe
20

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<211> 37

<212> PRT

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 <400> 7310
 Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Xaa Pro Ile Val Ser Xaa
 1 5 10 15

 Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
 20 25 30

 Gln Asn Xaa Xaa Xaa
 35

 <210> 7311
 <211> 38
 <212> PRT
 <213> Homo sapiens

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Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
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Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr
20 25 30
Gly Lys Thr Xaa Gly Xaa
35

<210> 7312
<211> 60
<212> PRT
<213> Homo sapiens

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<400> 7312
Val Ile Gln Leu Ser Asp Gly Ser Xaa Val Xaa Thr Leu Ser Asp Glu
1 5 10 15
Asp Ser Xaa Tyr Arg Cys Xaa Gly Tyr Asn Val Arg Leu Leu Ala Leu
20 25 30
Glu Ile Ala His Gly Leu Ser Ser Ser Leu Gln Ser Xaa Xaa Leu Val
35 40 45
Asp Gln Lys Cys Xaa Ser Asp Ile Glu Xaa Xaa Lys
50 55 60

<210> 7313
<211> 98
<212> PRT
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1				5					10					15	

Pro	Pro	Gly	Ile	Tyr	Pro	Asp	Phe	Lys	Arg	Xaa	Pro	Xaa	Pro	Xaa	Xaa
			20					25					30		

Asn	Xaa	Xaa	Ile	Trp	Leu	Ser	Xaa	Xaa	Pro	Xaa	Gln	Tyr	Trp	Ile	Trp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6520

	35		40		45														
Xaa	Ser	Pro	Asn	Pro	Thr	Xaa	Ile	Met	Ala	Xaa	Thr	Xaa	Ala	Val	Gly				
	50					55					60								
Ile	Xaa	Ile	Gly	Gly	Pro	Xaa	Xaa	Leu	Phe	Xaa	Xaa	Ile	Pro	Gly	Ser				
65					70					75					80				
Xaa	Ala	Lys	Phe	Pro	Trp	Gly	Trp	Gly	Asn	Gln	Xaa	Pro	Cys	Cys	Leu				
				85					90					95					

Lys Asn

<210> 7314

<211> 127

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<213> Homo sapiens

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 Asn Ala His Gly Gly Ala Leu Gln Val Ser Ala Xaa Pro Xaa Pro Ala
 20 25 30

 Ser Pro Ala Leu Leu Ser Gln Ala Xaa Xaa Arg Arg Gly Thr Leu Xaa
 35 40 45

 Thr Pro Ser Leu Gly Ser Xaa Xaa Ile Gly His Lys Ser Leu Xaa Cys
 50 55 60

 Xaa Gly Xaa Ala Gln Val His Ile Xaa Glu His Leu Xaa Met Xaa Leu
 65 70 75 80

 Gly Glu Pro Ser Ala Gln Pro Thr Ser Gly Lys Asn Lys Phe Trp Gly
 85 90 95

 His Gly Ala Pro Lys Lys Thr Xaa Ile Glu Tyr Phe Cys Leu Phe Xaa
 100 105 110

 Ser Ala Xaa His Xaa Lys Leu Pro Xaa Glu Asn Phe Leu Gln Thr
 115 120 125

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 Leu Gln Phe Lys Met Lys Ser Val Ser Phe Phe Leu Tyr Phe Ser Ala
 20 25 30
 Lys Gln Asp Ala Thr Leu Xaa Leu Pro Pro Leu Thr Ile Asn Arg Xaa
 35 40 45
 His Ser Gly Leu Lys Ala Ala Pro Pro Phe Asn Leu Xaa Ile Trp Gln
 50 55 60
 Thr Xaa Ser Leu Glu Xaa Asn Ser Ala Xaa Ile Phe Phe Leu Asn
 65 70 75

<210> 7316
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6524

<213> Homo sapiens

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Ser	Ser	Ser	His	Leu	Ser	Gln	Leu	Asn	Asn	Val	Thr	Pro	Pro	Pro	Leu
1				5				10						15	

Pro	Leu	Lys	Ile	Cys	Leu	Leu	Tyr	Phe	Tyr	Leu	Arg	Phe	Lys	Ser	Gly
			20				25						30		

Phe	Phe	Tyr	Glu	Ser	Leu	Val	Xaa	Ser	Ser	Xaa	Leu	Tyr
		35					40					45

<210> 7317

<211> 38

<212> PRT

<213> Homo sapiens

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<400> 7317

Ala	Ala	Arg	Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile
1				5				10						15	

Val	Ser	Arg	Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr
			20				25						30		

6525

Gly Lys Thr Xaa Xaa Xaa
35

<210> 7318

<211> 19

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Gly Thr Arg Val Cys Phe Phe Phe Lys Xaa Gly Leu Xaa Phe Xaa Gly
1 5 10 15

Xaa Arg Xaa

<210> 7319

<211> 35

<212> PRT

<213> Homo sapiens

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<400> 7319

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Asn	Pro
			20					25					30		

Xaa	Xaa	Xaa
		35

<210> 7320

<211> 51

<212> PRT

<213> Homo sapiens

<400> 7320

Ala	Lys	Met	Arg	Ile	Thr	Ile	Pro	Asn	Val	Lys	Pro	Gly	Leu	Glu	Thr
1				5				10					15		

Ala	Val	Leu	Ala	Gln	Phe	Ser	Ile	Ser	Ser	Gln	Cys	Tyr	Asn	Leu	Ile
			20					25					30		

Pro	Ser	Leu	Val	Arg	Lys	Leu	Asn	Lys	Met	Asp	Ser	Leu	Arg	Phe	Pro
		35					40					45			

Val	Arg	Ile
		50

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<211> 51

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Lys Xaa Val Met Glu Thr Phe His Met Lys Pro Ser Leu Thr Glu Ile
1 5 10 15
Thr Leu Leu Leu Asn Asn Ser Xaa Asn Phe His Leu Gln Ser Val Trp
20 25 30
Asn Phe Met Xaa Val Xaa Glu Ser His Leu Xaa Gln Cys Leu Ile Thr
35 40 45
Ser Leu Pro
50

<210> 7322
<211> 38
<212> PRT
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<400> 7322

Lys Val Tyr Lys Arg Trp Xaa Leu His Arg Gly Pro Arg Lys Asn Leu

1

5

10

15

Glu Leu Met Asp Pro Pro Gly Cys Arg Xaa Phe Gly Thr Xaa Gly Thr

20

25

30

Asn Ala Xaa Phe Ile Xaa

35

<210> 7323

<211> 38

<212> PRT

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<400> 7323

Asn Tyr Trp Ile Pro Arg Ala Ala Xaa Asn Ser Val Arg Xaa Glu Lys

1

5

10

15

Xaa Asn Pro Met Arg Val Thr Ser His Pro Thr Asn Ser Val Ser Thr

20

25

30

Phe Cys Val Gly Glu Xaa

35

<210> 7324

<211> 69

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<400> 7324

Pro Leu Glu Pro Ala Gln Ala Lys Trp Thr Leu His Trp Ser Asp Thr

1

5

10

15

Cys Cys Phe Gln Ala Cys Pro Ser Asn Leu Pro His Val Leu Cys Leu

6530

[illegible]

<210> 7325

<211> 75

<212> PRT

<213> Homo sapiens

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<222> (71)

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<400> 7325

Leu Xaa Arg Val Leu Leu Asn Lys Gly Asn Lys Arg Pro Ser Ser Thr
1 5 10 15

6531

Xaa Gly Gly Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
 20 25 30
 Ser Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
 35 40 45
 Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
 50 55 60
 Trp Glu Asn Pro Lys Xaa Xaa Xaa Phe Phe Val
 65 70 75

<210> 7326

<211> 66

<212> PRT

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Tyr Xaa Xaa Val Asp Pro Pro Leu Asn His Xaa Pro Xaa Leu Ser Leu
1 5 10 15
Thr Lys Arg Lys Pro Ser Pro His Ser Leu Asn Leu Ile His His Ser
20 25 30
Arg Gln Xaa Arg Trp Ile Lys Pro Xaa Pro Ala Thr Gln Asn Leu Xaa
35 40 45
Ile Leu Leu Asn Xaa Pro His Xaa Met Asn Asn Ser Ser Ser Thr Val
50 55 60
Gln Thr
65

<210> 7327
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<212> PRT
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Gly	Lys	Ile	Pro	Asp	Tyr	Val	Ala	Leu	His	Val	Arg	Asp	Pro	Lys	Glu
1				5				10					15		

Thr	Arg	Leu	Ser	Thr	Gly	Arg	Val	Pro	Glu	Xaa	Asn	Leu	Val	Ser	Arg
		20						25					30		

Pro	Gln	Ile	Asp	Phe	Asp	Gly	Xaa	Asp	Phe	Xaa	Xaa
		35					40				

<210> 7328

<211> 38

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<400> 7328

Ala	Ala	Xaa	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Pro
			20					25					30		

Xaa	Val	Xaa	Xaa	Phe	Ser
-----	-----	-----	-----	-----	-----

6534

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<400> 7329

Asp	Xaa	Thr	His	Ser	Asp	Arg	Cys	Cys	Xaa	Val	Pro	Xaa	Asn	His	Xaa
1					5				10					15	

His Cys

<210> 7330

<211> 97

<212> PRT

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<400> 7330

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Phe Gly Leu Ser His Leu Pro Pro Leu His Cys Arg Leu Cys Thr Lys
 1              5              10              15

Pro Arg Tyr Leu Leu Leu Ser Glu Pro Cys Cys Phe Tyr Ile Pro Cys
          20              25              30

Met Cys Thr Cys Cys Ile Tyr Cys Leu Leu Cys Lys Leu Leu Pro Ser
          35              40              45

Phe Pro Arg Ala Phe Arg Gly Leu Thr Leu Cys Phe Ser Leu Pro Xaa
          50              55              60

Thr Leu Val Thr Pro Phe Cys Val Ser Ile Thr Phe Thr Val Val Leu
65              70              75              80

Cys Tyr Ser Tyr Leu His Val Cys Pro Ile Leu Xaa Glu Leu Ser Ala
          85              90              95

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Thr

<210> 7331

<211> 40

<212> PRT

<213> Homo sapiens

<400> 7331

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Thr Val Leu Met Glu Tyr Gly Leu Ile Tyr Ile Leu Leu Ser Trp Thr
 1              5              10              15

Asn Thr Ile Cys Phe Trp Leu His Ser Thr Asn Arg Thr Trp Gln Asp
          20              25              30

Lys Phe Met Val Arg Val Gly Trp
          35              40

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<210> 7332

<211> 33

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<400> 7332

Leu	His	Gln	Arg	Gly	Leu	Ser	Leu	Xaa	Gly	Thr	Ser	Gly	Ser	Pro	Gly
1				5				10						15	

Leu	Gln	Glu	Xaa	Arg	Thr	Ser	Glu	Ser	Xaa	Ile	Leu	Leu	Ile	Xaa	Xaa
			20					25					30		

Leu

<210> 7333

<211> 45

<212> PRT

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<400> 7333
Gly Gly Ser Ala Ser Leu Ser Ser Ser His Lys Lys Gly Thr Lys Gly
1 5 10 15
Pro Ala Pro Pro Thr Val Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro
20 25 30
Gly Cys Arg Asn Pro Ala Arg Val Xaa Pro Xaa Xaa Xaa
35 40 45

<210> 7334
<211> 35
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Ser Pro Ala Xaa Gln Met Xaa Ser Ser Xaa Pro Leu Tyr Phe Ser Gly
1 5 10 15
Val Xaa Leu Val Lys Arg Ile Cys Xaa Gly Glu Glu Leu Leu Ala Xaa
20 25 30
Leu His Leu
35

<210> 7335
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6539

<400> 7335

Xaa Lys Ser Asp Gly His Leu Xaa Ala Xaa Asp Lys Asp Xaa Thr Xaa
1 5 10 15

Pro

<210> 7336

<211> 48

<212> PRT

<213> Homo sapiens

<220>

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<220>

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6540

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7336

Lys Thr Xaa Trp Phe Cys Leu Val Ser Xaa Ile Glu Phe Val Cys Gly
1 5 10 15

Phe Lys Phe Xaa Xaa Asn Phe Tyr Phe Tyr Leu Phe Pro Phe Ile Tyr
20 25 30

Xaa Cys Leu Phe Cys Tyr Phe Cys Xaa Val Phe Leu Xaa Pro Leu Xaa
35 40 45

<210> 7337

<211> 22

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7337

Val Trp Gly His Pro Xaa Lys Asn Lys Xaa Pro Gly Ala His Trp Val
1 5 10 15

Asn Ser Leu Tyr Glu Lys
20

<210> 7338

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

6541

<400> 7338

Ala Arg Ala Glu Phe Gly Thr Arg Gly Ala Arg Tyr Pro Ile Arg Pro
1 5 10 15
Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val
20 25 30
Thr Gly Asn Pro Lys Xaa
35

<210> 7339

<211> 49

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7339

Leu Ser Lys His Thr Ile Tyr Met Thr Leu Ile Leu Ile Thr Arg Ser
1 5 10 15
Asn Gln Xaa Asp Asn Glu Ile Pro Ile Ile Lys Phe Gly Glu Lys Xaa
20 25 30
Ser Lys Ile Tyr Gln Asn Ile Cys Pro Pro Xaa Arg Cys Ile Ser Ser
35 40 45
Leu

<210> 7340

<211> 18

<212> PRT

6542

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7340

Lys	Asn	Glu	Val	Thr	Asp	Xaa	Leu	Lys	Lys	Lys	Lys	Lys	Lys	Ile	Pro
1				5				10						15	

Xaa Leu

<210> 7341

<211> 88

<212> PRT

<213> Homo sapiens

<220>

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7341

Phe	Pro	Ile	Gly	Pro	Phe	Phe	Phe	Ser	Cys	Lys	Thr	Val	Leu	Leu	Leu
1				5				10					15		

Ile	Lys	Ile	Ile	Leu	Glu	Tyr	Cys	Gln	Cys	Val	Asp	Asn	Ile	His	Leu
		20						25					30		

Leu	Leu	Leu	Thr	Ala	Tyr	Ser	Ser	Val	Lys	Leu	Leu	Lys	Val	Leu	Asn
		35					40					45			

Ile	Met	Lys	His	Leu	Val	Lys	Asn	Trp	Xaa	Gly	Ser	Asn	Xaa	His	Gly
	50					55					60				

Arg	Asn	Pro	Arg	Thr	Leu	Gln	Ile	Pro	Pro	Leu	Ile	Leu	Asn	Ser	Lys
65					70					75					80

6543

Ile Ser Ile Ile Leu Asp Trp Ala
85

<210> 7342

<211> 35

<212> PRT

<213> Homo sapiens

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7342

Asn Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Xaa Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
20 25 30

Pro Lys Xaa
35

<210> 7343

<211> 55

<212> PRT

<213> Homo sapiens

<220>

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7343

Trp	Leu	Lys	Thr	Pro	Leu	Gly	Leu	Xaa	Gln	Ile	Thr	Val	Phe	Asn	Met
1				5				10						15	

Thr	Xaa	Leu	Arg	Leu	Tyr	Asn	Leu	Asn	Pro	Ile	Ser	Leu	Leu	Leu	Ser
			20				25						30		

Gln	Leu	Ser	Glu	Thr	Leu	Asn	Xaa	Thr	Ile	Leu	Cys	Xaa	Ala	Lys	Asn
		35					40					45			

Ser	Phe	Leu	Phe	Xaa	Arg	Asn
	50				55	

<210> 7344

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

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<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7344

Ser	Xaa	Val	Ile	Cys	Ile	Leu	Ile	Asn	Xaa	Gln	His	Thr	Val	Arg	Ser
1				5				10					15		

6545

Thr Leu Xaa Tyr Tyr Ile Glu Val Leu Leu Phe Ala Tyr Leu Leu Ile
20 25 30

Phe Ser Thr Gln Ser Gly Ser His Phe Val Phe Cys
35 40

<210> 7345

<211> 92

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (75)

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<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7345

Arg	Thr	Gln	Val	Xaa	Ala	Gln	Gln	Glu	Ala	Thr	Asp	Leu	Trp	Asp	Pro
1				5						10				15	

Gly	Pro	Gly	Val	Phe	Ala	Gly	Leu	Thr	Pro	Ala	Ser	Leu	Xaa	Phe	Gln
			20					25					30		

Leu	Phe	Leu	Ser	Lys	Val	Glu	Xaa	Thr	Phe	Xaa	Cys	Ile	Cys	Cys	Xaa
		35					40					45			

Asp	Trp	Cys	Ser	Gly	Pro	Ser	Arg	Pro	Cys	Cys	Xaa	His	Asn	Xaa	Xaa
	50					55					60				

Gln	Xaa	Xaa	Pro	Gly	Xaa	Ile	Leu	Ser	Gly	Xaa	Val	Phe	Thr	Ala	Leu
65					70					75					80

Pro	Ala	Leu	Gln	Leu	Gly	Xaa	Thr	Met	Pro	Ala	Xaa
				85					90		

6547

<210> 7346

<211> 76

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7346

Thr	Leu	Lys	Met	Ile	Leu	Glu	Xaa	Val	Phe	Tyr	Val	Phe	Lys	Xaa	Arg
1				5				10						15	

Tyr	Ile	Ser	Phe	Leu	Tyr	Ala	Val	Asn	Xaa	Ser	His	Val	Tyr	Val	Ser
			20					25					30		

Tyr	Val	Ser	Leu	Cys	Gly	Asn	Ser	Leu	Asn	Tyr	Tyr	Ile	Ser	Ser	Leu
			35					40				45			

Xaa	Ile	Leu	Ser	Ser	Phe	Arg	Gly	Thr	Gly	His	Ile	Tyr	Met	Lys	Asn
			50			55					60				

Arg	Asn	Xaa	Thr	Thr	Asn	Lys	Arg	Glu	Ile	Thr	Arg
65					70					75	

<210> 7347

6548

<211> 80
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<400> 7347
Leu Val Pro Asn Ser Ala Arg Gly Phe Thr Leu Leu Thr Lys Arg Leu

6549

1	5	10	15
Asn Arg Leu Phe Ile Asn Arg Pro His His Ser Xaa Xaa Leu Asn Leu			
20	25	30	
Trp Ala Xaa Asn His Ser Arg Leu Thr Leu Ser Thr Pro Gln Xaa Gly			
35	40	45	
Gly Pro Ser Gln Ile Ile Ser Xaa Phe Lys Ser Xaa Ala Leu Pro Phe			
50	55	60	
Pro Phe Asn Xaa Gln Xaa Pro Gly Gly Xaa Lys Arg Gly Pro Leu Ile			
65	70	75	80

<210> 7348

<211> 21

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7348

Val Gln Xaa His Phe Thr Xaa Gln Ser Tyr Gly Xaa Thr His Pro Leu
1 5 10 15

Ile Ile Leu Val Xaa
20

6550

<210> 7349

<211> 63

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

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<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7349

Gln Ser Glu Val Lys Lys Ser Val Cys Val Val Val Xaa Ala Trp Ile
1 5 10 15

Gly Val Pro Ser Cys Leu Gly Xaa Tyr Thr Tyr Ala Ser Phe Leu Leu
20 25 30

Phe Ile Phe Cys Leu His Ser Ser Glu Phe Thr Tyr Phe Leu Lys Ile
35 40 45

Ser Lys Leu Leu Phe Arg Xaa Ile Ser Arg His Trp Gly Arg Leu
50 55 60

<210> 7350

<211> 35

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

6551

<400> 7350

Cys Xaa Thr Tyr Val Tyr Pro Leu Leu Lys Phe Pro Pro Ala Leu Ile
 1 5 10 15

Ser Met Phe Gln Cys Gln Xaa Ser Tyr Asn Ser Lys Cys Ser Pro Lys
 20 25 30

Gly Gly Ser
 35

<210> 7351

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

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<220>

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<222> (21)

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<223> Xaa equals any of the naturally occurring L-amino acids

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6552

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7351

Gly	Leu	Lys	Lys	Pro	Lys	Thr	Ser	His	Glu	Val	Asn	Tyr	Xaa	Lys	Gly
1				5					10					15	

Phe	Pro	Trp	Asp	Xaa	Lys	Ile	Arg	Val	Lys	Thr	Val	Gly	Gln	Gln	Tyr
			20					25					30		

Phe	Pro	Xaa	Xaa	Gln	Asn	Xaa	Ser	Tyr	Xaa	Lys	Lys	Leu	Xaa	Ile	Xaa
		35					40					45			

Tyr	Met	Asn	Gln	Thr	Xaa	Thr	Pro	Phe	Pro	Ile	Leu	Leu	Lys	Ile	Xaa
	50					55					60				

Ser	Ser	Ile	Lys	Asn
65				

<210> 7352

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

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<220>

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6553

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 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
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 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 7352
 Lys His Gln Leu Phe Cys Phe Phe Xaa Pro Tyr Lys Leu Xaa Xaa Xaa
 1 5 10 15
 Xaa Glu Xaa Trp Val Val Val Met Val Xaa Thr Ile Thr Gly Tyr Phe
 20 25 30
 Ala Ala Thr Val Arg Xaa Glu Lys Xaa Gln Arg Ile Leu Leu Ser Cys
 35 40 45
 Xaa Ile Trp Gly Ile Thr Lys Trp Lys Thr Ala Ile
 50 55 60

6554

<210> 7353

<211> 18

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7353

Ala	Xaa	Pro	Gly	Gly	Xaa	Arg	Asn	Gln	Phe	Arg	Pro	Ile	Xaa	Ile	Pro
1				5					10					15	

Ile Thr

<210> 7354

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7354

Ala	Ala	Xaa	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg
1				5					10					15	

6555

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
 20 25 30

Lys Xaa

<210> 7355

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7355

Met Leu Pro Leu Xaa Ile Ile Thr Cys Leu Thr Leu Asn Lys Phe Tyr
 1 5 10 15

Arg Ile Phe Ser Arg Thr Phe Ala Asn Thr Gly Asp Ser Gln Lys Gln
 20 25 30

Cys Trp Glu Leu Phe Ser Asn Phe Pro Phe Glu Asn Leu Gln Lys Phe
 35 40 45

<210> 7356

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7356

Xaa Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
 1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
 20 25 30

Ser Lys Ile Asn Leu Ser Ser Leu

6556

35

40

<210> 7357

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

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<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7357

Val Glu Ala Thr Asn Leu Pro Ser Leu Val Ile Ala Gly Cys Pro Lys

1

5

10

15

Xaa Asn Leu Xaa Ser Thr Leu Asn Leu Pro Thr Glu Pro Ser Lys Ser

20

25

30

Leu Val Asn Leu Thr Val Ser Pro Lys Glu Glu Gln Leu Phe Gly Pro

35

40

45

Xaa Lys Lys Pro Cys

50

<210> 7358

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6557

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7358

Ala	Ala	Arg	Gly	Gly	Ala	Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Xaa	Arg
1				5				10					15		

Ile	Thr	Ile	His	Trp	Pro	Ser	Phe	Tyr	Asn	Val	Val	Thr	Gly	Lys	Thr
			20					25					30		

Gln Xaa

<210> 7359

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7359

Leu	Leu	Ile	Pro	Gly	Ala	Gly	Leu	Ser	Leu	Leu	Pro	Ile	Ser	Gln	Pro
1				5				10					15		

Cys	Glu	Ser	Val	Leu	Ala	Ser	Thr	Asp	Thr	Ala	Asp	Pro	Glu	Leu	Asn
			20					25					30		

Val	Pro	Lys	Trp	Arg	Ser	Gln	Ser	Arg	Leu	Phe	Xaa	Asn	Trp	Ala	Lys
			35					40				45			

Thr	Leu	Lys	Trp	Gly	Gln	Ser	Gly	Leu	Pro	Gln	Trp	Ser	Asn	Thr	Gly
			50				55				60				

Phe	Leu	Leu	Asn	Val	Ser	Lys	Thr	Cys	Pro
65							70		

<210> 7360

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

6558

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 7360

Glu	Ile	Ile	Val	Val	Leu	Val	Trp	Trp	His	Lys	Phe	Phe	Ser	Leu	His
1				5					10					15	

Phe	Val	Tyr	Ala	Asp	Cys	Leu	Xaa	Xaa	Leu	His	Pro	Phe	Leu	Phe	Phe
			20					25					30		

Pro	Glu	Xaa	Xaa	Lys	Ser	Gln	Phe	Cys	Leu	Leu	Asp	Ala	Leu	Lys	Lys
		35					40						45		

6559

Ile Arg Arg Glu Arg Lys Asn Gln Thr Asp Cys Xaa Tyr Phe Xaa Glu
50 55 60

Xaa Asp Asn Phe Gly Xaa Xaa Cys Gln Ala Pro Ser Trp
65 70 75

<210> 7361

<211> 33

<212> PRT

<213> Homo sapiens

<400> 7361

Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
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Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Lys

<210> 7362

<211> 69

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6560

<400> 7362

Asn Asn Met Asn Cys Met Pro Thr Val Tyr Gln Thr Trp His Trp Ala
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Pro Cys Cys Cys Arg Phe Ser Glu Pro Trp Pro Leu Tyr His Gly Pro
20 25 30

Asp His Val Phe Ser Gly Arg Leu Asn Lys Leu Xaa Ile Glu Gln Ile
35 40 45

Thr Thr Ser Ser Xaa Asp Ile Lys Xaa Lys Tyr Ser Phe Asp Xaa Ile
50 55 60

Glu Gln Trp Glu Val
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<210> 7363

<211> 77

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<400> 7363

Tyr	Arg	Xaa	Phe	Ala	Phe	Ile	Asn	Tyr	Ile	Trp	Pro	Leu	Leu	Thr	Tyr
1				5					10					15	

Leu	Lys	Leu	Cys	Xaa	Asn	Xaa	Phe	Phe	Phe	Xaa	Xaa	Val	Cys	Trp	Glu
			20						25					30	

Lys	Lys	Phe	Phe	Pro	Phe	Leu	Lys	Lys	Asn	Gln	Thr	Thr	Xaa	Xaa	Xaa
		35						40				45			

Xaa	Val	Ser	Trp	Glu	Ser	Pro	Xaa	Gly	Xaa	Lys	Xaa	Ile	Pro	Gly	Leu
	50						55					60			

Glu	Ser	Pro	Pro	Ile	Leu	Phe	Ser	Trp	Ala	Leu	Phe	Tyr
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6562

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<400> 7364

Xaa Pro Phe Leu Leu Leu Thr Xaa Xaa Leu Lys Trp Gly Gly Gly Leu
1 5 10 15

Xaa Pro Lys Asn Xaa Thr Phe Phe Pro Arg Gly Glu Lys Thr Ser Arg
20 25 30

Gly Ala Leu Gly Gly Xaa Pro Pro Pro Leu Lys Asn Pro Leu Xaa Gln
35 40 45

Asn Pro Leu Leu Phe Pro Gln Asn Gly Ser Xaa Xaa Phe Xaa Xaa Xaa
50 55 60

Gly His Pro Pro Asn Leu Asn Asp Phe Xaa Phe Xaa Ile Xaa Xaa Arg
65 70 75 80

Gly Xaa Gln Ser Asn Trp Xaa Phe Xaa Lys Ala Lys Gly Asn Leu Pro
85 90 95

Pro Xaa Phe Gly
100

<210> 7365

<211> 122

<212> PRT

<213> Homo sapiens

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<400> 7365

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1				5				10						15	

Xaa	Gly	Ser	Phe	Xaa	Lys	Lys	Lys	Leu	Leu	Gly	Ala	Trp	Xaa	Thr	Xaa
			20					25					30		

Pro	Xaa	Lys	Lys	Xaa	Xaa	Lys	Lys	Xaa	Leu	Glu	Phe	Xaa	Phe	Pro	Lys
		35				40						45			

Lys	Leu	Gly	Xaa	Ile	Phe	Phe	Xaa	Xaa	Lys	Asn	Ser	Pro	Xaa	Lys	Ile
	50					55					60				

Pro	Phe	Pro	Pro	Phe	Trp	Gly	Glu	Xaa	Xaa	Xaa	Xaa	Xaa	Lys	Xaa	Xaa
	65				70					75					80

Pro	Pro	Pro	Pro	Phe	Xaa	Ile	Trp	Lys	Asn	Phe	Gly	Pro	Pro	Phe	Phe
				85					90					95	

Glu	Xaa	Phe	Leu	Lys	Lys	Ile	Phe	Phe	Gly	Glu	Lys	Xaa	Pro	Pro	Lys
			100					105					110		

Xaa	Pro	Pro	Xaa	Asn	Phe	Xaa	Lys	Asn	Ser
			115				120		

<210> 7366

6568

<211> 50

<212> PRT

<213> Homo sapiens

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<400> 7366

Leu	Ser	Thr	Phe	Ser	Leu	Leu	Phe	Glu	Val	Leu	Phe	Gln	Pro	Ser	Phe
1				5					10					15	

Leu	Lys	Leu	Phe	Xaa	Ser	Thr	Leu	Ser	Phe	Ser	Xaa	Phe	Ile	Thr	Tyr
			20					25					30		

Pro	Phe	Ser	Leu	Glu	Leu	Glu	Leu	His	Tyr	Leu	Phe	Tyr	Tyr	Phe	Thr
		35					40					45			

Arg Leu

50

<210> 7367

<211> 35

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<400> 7367

Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg

6569

1 5 10 15
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
 20 25 30
Lys Xaa Xaa
 35

<210> 7368

<211> 77

<212> PRT

<213> Homo sapiens

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<400> 7368

Ser	His	Ser	Gly	Ser	Ser	Ser	His	Xaa	Leu	Asp	Leu	Cys	Val	Tyr	Glu
1				5					10					15	

Tyr	Ile	Lys	Ile	Arg	Ala	Leu	Xaa	Arg	Xaa	Val	Leu	Val	Xaa	Asn	Gly
			20					25					30		

Tyr	Ser	Ser	Val	Val	Gln	Arg	Tyr	Thr	Lys	Cys	Xaa	Phe	Leu	Tyr	Lys
			35					40					45		

Val	Lys	Ile	Leu	Gly	Gly	Tyr	Lys	Lys	Ile	Thr	Leu	Asn	Xaa	Leu	Thr
	50					55					60				

Leu	Xaa	Gly	Phe	Asp	Ile	Xaa	Phe	Ser	Xaa	Trp	Asn	Pro
65					70					75		

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<400> 7369

Ser	Gly	Thr	Val	Ser	Val	Cys	Thr	Xaa	Xaa	Thr	Lys	Glu	Thr	Cys	Leu
1				5				10						15	

Arg	Thr	Phe	Gly	Phe	Gly	Trp	Lys	Leu	Phe	Ile	Phe	Cys	Leu	Ile	Glu
			20					25					30		

Pro	Asn	Leu	Leu	Ser	Gly	Thr	Ala	His	Xaa	Val	Asn	Lys	Xaa	Val	Xaa
			35				40					45			

Lys	Asp	Gly	Thr	Gly	His	Gly	Lys	Leu	Lys	Lys	Ser	Phe	Leu	Ser	Leu
	50					55					60				

Thr	Phe	Val	Arg	Leu	Asn	His	Leu	Thr	Tyr	Xaa	Ser	Glu	Ser		
65					70					75					

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<400> 7370

Met	Xaa	Ala	Cys	Gly	Phe	Xaa	Xaa	Asn	Trp	Gln	Gln	Cys	Gln	Ile	Pro
1				5				10					15		

Arg	Ser	Trp	Ala	Leu	Phe	Lys	Ser	Xaa	Leu	Asn	Arg	Gly	Leu	Thr	Glu
			20					25					30		

Ser	Lys	Xaa	Ser	Xaa	Leu	Arg	Cys	Thr	Lys	His	Thr	Xaa	Thr	Thr	Xaa
		35					40					45			

Trp	Phe	Ser	Phe	Asp	Ala	Gln	His	Xaa	His	Glu	Xaa	Thr	Trp	Lys	Cys
						55					60				

Pro	Phe	Lys
		65

6573

<210> 7371

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<400> 7371

Ser Phe Tyr Ile Arg Ile Arg Lys Cys Lys Leu Val Ser Xaa Ser Leu

1

5

10

15

Cys Xaa Leu Leu Asn Pro Thr Val Xaa Met Thr Asp Lys Phe Ser Pro

20

25

30

6574

Ser Pro Ala Xaa Cys Xaa Gln Val Arg Xaa Xaa Pro Lys Ser Pro Pro
35 40 45

Phe Trp Asn Phe Lys Leu Gly Gly Ser Gln Asn Thr Xaa Gly Ser Tyr
50 55 60

Phe
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<210> 7372

$\langle 211 \rangle$ 100

<212> PRT

<213> Homo sapiens

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1 5 10 15

Ile Ser His Glu Lys Gln Lys Val Thr Leu Pro Ser Leu Met Pro Gly
20 25 30

Ser Xaa Asp Glu Lys Glu Ile Leu Gly Lys Asp Gln Phe Pro Leu Phe
35 40 45

6575

Gln Leu Ser Ile Thr Glu Phe Val Phe Gly Lys Trp Ala Phe Leu Lys
50 55 60

Ser Cys Ser Val Phe Gln Gln Gly Gln Glu Val Xaa Cys Leu Leu Cys
65 70 75 80

Tyr Leu Lys Xaa Ser Val Arg Gly Val Pro Xaa Gly Ser Arg Lys Xaa
85 90 95

Ser Ser Phe Cys
100

<210> 7373

<211> 96

<212> PRT

<213> Homo sapiens

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<400> 7373

Gly	Thr	Ser	Val	Val	Val	Tyr	Xaa	Arg	Cys	Xaa	Leu	Met	Leu	Asn	Ser
1				5				10					15		

Xaa	Tyr	Ser	Xaa	Arg	Glu	Xaa	His	Lys	Phe	Xaa	Val	Lys	Xaa	Pro	Ser
			20					25					30		

Tyr	Cys	Gly	Phe	Phe	Leu	Leu	Leu	Xaa	Asn	Met	Xaa	Glu	Ile	Lys	Ile
		35					40					45			

Thr	His	Val	Leu	Gly	Pro	Leu	Lys	Pro	Tyr	Ile	Ala	Thr	Val	His	Xaa
	50					55					60				

Ser	Asn	Xaa	Xaa	Arg	Gly	Asp	Xaa	Gly	Xaa	Tyr	Val	Xaa	Thr	Tyr	Xaa
65					70					75					80

Ser	Xaa	Phe	Lys	Phe	Tyr	Leu	Leu	Arg	Lys	Xaa	Phe	Pro	Gln	Ser	Ala
				85					90					95	

<210> 7374

<211> 59

<212> PRT

<213> Homo sapiens

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 Ile Glu Phe Tyr Xaa Tyr Phe Gly Glu Lys Ile Ile Phe Cys Xaa Pro
 1 5 10 15
 Lys Xaa Ile Phe Ser Tyr Ser Phe Arg Lys Phe Glu Ile Leu Xaa Xaa
 20 25 30
 Phe Arg Ala Phe Asn Trp Asn Leu Xaa Pro Lys Leu Lys Pro Phe Thr
 35 40 45
 Leu Lys Pro Pro Ile Phe Phe Phe Xaa Pro Leu
 50 55

<210> 7375
 <211> 38
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<400> 7375
Ala Xaa Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Xaa Xaa
1 5 10 15
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30
Lys Thr Xaa Gly Ile Xaa
35

<210> 7376
<211> 53
<212> PRT
<213> Homo sapiens

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<400> 7376
 Xaa Lys Glu Ile Thr Xaa Thr Xaa Arg Asn Ser Pro Leu Pro Tyr Pro
 1 5 10 15
 Ser Xaa Gly Ser Ser Ile Ser Gly Ser Ile Thr Asn Ser Trp Phe Xaa
 20 25 30
 Leu Thr Asn Pro His His Phe Leu Ser Phe Pro Xaa Xaa Leu Pro Pro
 35 40 45
 Xaa Thr Pro Ser Ile
 50

<210> 7377
 <211> 34
 <212> PRT
 <213> Homo sapiens

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<400> 7377
Leu Leu Tyr Phe Pro Val Xaa Ser Ala Gly Xaa Xaa Xaa Leu Leu Ser
1 5 10 15
Asp Arg Asn Leu Tyr Lys Xaa Phe Phe Asp Pro Val Gly Arg Arg Tyr
20 25 30
Pro Phe

<210> 7378
<211> 26
<212> PRT
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<400> 7378
Gly Leu Leu Xaa Tyr Xaa Asn Glu Thr Leu Val Xaa Thr Lys Tyr Asp
1 5 10 15
Phe Xaa Lys Val Leu Phe Tyr Lys Thr Xaa
20 25

<210> 7379
<211> 112
<212> PRT
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6584

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7379

Lys	Asn	Phe	Phe	Phe	Phe	Phe	Xaa	Lys	Ser	Pro	Phe	Xaa	Phe	Phe	Xaa
1					5				10					15	

Ile	Xaa	Xaa	Phe	Leu	Lys	Ile	Gly	Pro	Xaa	Xaa	Phe	Xaa	Phe	Lys	Xaa
			20					25					30		

Phe	Leu	Lys	Lys	Lys	Asn	Phe	Asn	Cys	Phe	Xaa	Xaa	Lys	Ile	Xaa	Pro
		35					40					45			

Pro	Phe	Lys	Xaa	Phe	Ser	Pro	Xaa	Arg	Phe	Phe	Pro	Xaa	Xaa	Phe	Xaa
	50					55					60				

Lys	Lys	Ile	Phe	Phe	Phe	Lys	Lys	Phe	Xaa	Phe	Phe	Gly	Gly	Phe	Phe
65					70					75				80	

Xaa	Phe	Xaa	Pro	Ser	Leu	Ser	Pro	Asn	Phe	Xaa	Phe	Asn	Pro	Xaa	Phe
				85					90					95	

6585

Phe Pro Pro Lys Ile Ser Pro Ser Pro Phe Pro Gln Lys Phe Pro Pro
100 105 110

<210> 7380

<211> 83

<212> PRT

<213> Homo sapiens

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<400> 7380

Pro	Trp	Asp	Arg	Asp	Val	Gln	Leu	Ser	Lys	Ala	Leu	Ser	Tyr	Ala	Leu
1				5					10					15	

Arg	His	Gly	Ala	Leu	Asn	Trp	Gly	Phe	Pro	Trp	Xaa	Leu	Val	Pro	Xaa
			20					25					30		

Leu	Glu	Leu	Met	Pro	Leu	Xaa	Thr	Pro	Xaa	Ala	Leu	Pro	Pro	Xaa	Leu
			35				40					45			

Xaa	His	Gly	Thr	Phe	Trp	Asn	Thr	Gly	His	Pro	Ser	Tyr	Ser	Xaa	Ala
						55					60				

Cys	Pro	Ala	Arg	Glu	Gly	Pro	Thr	Phe	Xaa	Leu	Xaa	Xaa	Glu	Xaa	Pro
65					70					75					80

Gly Lys Pro

<210> 7381

<211> 20

<212> PRT

<213> Homo sapiens

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6587

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7381

Arg	His	Glu	Val	Thr	Ser	Leu	Glu	Phe	Phe	Phe	Phe	Phe	Leu	Xaa	Leu
1					5				10					15	

Asn	Xaa	Phe	Xaa
			20

<210> 7382

<211> 69

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7382

Val	Gln	Met	Asp	Ser	Ile	Tyr	Val	Val	Leu	Asn	Asn	Asn	Leu	Gly	Cys
1					5					10				15	

6588

Leu Gln Thr Leu Gln Phe Ile Ile Phe Pro Tyr Lys Gln Asp Gly Leu
 20 25 30
 Gly Phe Ser Ser Ser Thr Xaa Ser Ile Xaa Pro Thr Xaa Phe Xaa Tyr
 35 40 45
 Ser Trp Ser Lys Lys Ile Thr Cys Phe Phe Phe Phe Lys Trp Ala Arg
 50 55 60
 Asn Xaa Phe Phe Phe
 65

<210> 7383

<211> 61

<212> PRT

<213> Homo sapiens

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<220>

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<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7383

Ile Arg Gly Ser Leu Ala Leu Glu Tyr Xaa Xaa Leu Xaa Lys Glu Met